Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 137
Number 10

MARCH 4, 1940

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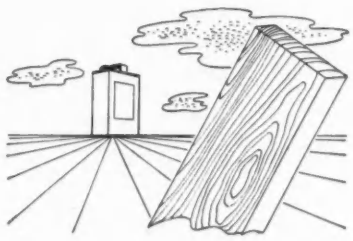

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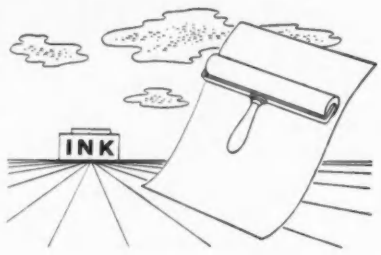

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Chemical Workers And Payrolls Down

Employment Off 1.2 Percent Payrolls Show Slight Drop Both Are Above 1939 Figures

Employment in factories engaged in the manufacture of chemicals and related products in the United States noted a decrease of 1.2 percent from December 15 to January 15, according to the Bureau of Labor Statistics. At the end of the monthly period employment was 11.5 percent above the corresponding level of 1939. Payrolls showed a decrease of 2.0 percent from December 15 to January 15, but stood 11 percent above the corresponding level for 1939.

The Bureau of Labor Statistics index number for factory employment in the chemical group of industries January 15 was 120.9 (100 equals 1923-25 average), compared with 122.3 for December and 113.2 for January last year. For payroll totals the index number was 131.0 (same basis), compared with 133.3 for December and 118.8 for January last year.

The bureau's general index numbers for all manufacturing industries January 15 showed the following comparisons:—

	Jan., 1940.	Dec., 1939.	Jan., 1939.
Employment	101.6	104.1	92.2
Payroll totals	98.1	103.6	83.7

Employment in the chemical group of industries was 11.8 percent above the average for all industries. Payroll totals were 13.3 percent above the general average for all industries.

Detailed Comparisons

Employment

(100 = 1923-25 average)

	Jan., 1940.	Dec., 1939.	Jan., 1939.
Chemicals	135.9	137.4	117.5
Cottonseed oil, cake and meal	103.1	114.9	108.9
Druggists' preparations	118.5	118.8	108.9
Explosives	103.5	107.8	85.6
Fertilizers	102.8	102.2	102.9
Paint and varnishes	123.5	124.2	116.5
Petroleum, refined	121.5	122.3	118.2
Rayon and allied products	313.7	312.2	300.3
Soap	83.4	85.1	79.1

Payroll Totals

(100 = 1923-25 average)

	Jan., 1940.	Dec., 1939.	Jan., 1939.
Chemicals	160.3	162.1	130.2
Cottonseed oil, cake and meal	99.0	110.2	87.5
Druggists' preparations	129.3	132.2	118.2
Explosives	120.9	128.7	95.1
Fertilizers	82.3	82.2	75.2
Paint and varnishes	128.8	130.5	115.3
Petroleum	132.7	137.6	134.6
Rayon and allied products	320.7	314.0	283.3
Soap	100.3	102.1	94.9

—Continued on page 29

Stream Pollution Bill Passed by House

OPD Washington Bureau
March 1, 1940

A revised stream pollution bill was passed by the house today. The bill had been reported by the house committee on rivers and harbors as a substitute for the bill (S. 685) passed by the senate and favorably reported by the house committee last session.

Before passage, the house further revised the bill to prohibit additional pollution from sewage or industrial waste unless approved by the United States Public Health Service. Such new pollution is declared to be a nuisance, and equity suits would be brought to stop it. This amendment goes to conference with the senate.

The substitute is substantially the same as the senate bill but it deletes a provision for Federal grants-in-aid to public bodies and industries for the construction of treatment works. It retains a provision for loans for this purpose but provides that they shall be made by the Reconstruction Fi-

—Continued on page 49

'Hair Tonic' Held To Be Misbranding

OPD Washington Bureau
February 29, 1940

Use of the term, "hair tonic," is prohibited by the food, drug, and cosmetic act unless it can be proved that the product to which the term is applied actually promotes the growth and vitality of hair, in the opinion of officials of the Food and Drug Administration.

This matter was left undecided last Fall when the administration advised cosmetic manufacturers against the use of such terms as "skin tonic" and "hair restorer," but it has now been decided that the word, "tonic," has a definite meaning and implies the impartation of vigor and vitality. Therefore, a product marked "hair tonic" would be classed as a drug rather than a cosmetic, and would also be misbranded because the officials claim to know of no product which will actually tone up the hair. Improving the appearance of hair is not considered sufficient result to warrant use of the term, "tonic." In order to keep their preparations classified as cosmetics and to avoid charges of misbranding, manufacturers are advised to use such terms as "hair dressing" or "hair lotion."

Czech Goods Ruled Of German Origin

Regardless of the date of their manufacture, all goods shipped to the United States from the Sudeten region in Czechoslovokia since German occupation of that area must be marked, "Made in Germany," according to a decision of the United States Court of Customs and Patent Appeal. This reverses the United States Customs Court, which held goods might be marked "Made in Czechoslovakia" after the date of the occupation.

Drug Labeling Problems To Be Discussed March 5

OPD Washington Bureau
February 29, 1940

Detailed problems of drug labeling under the new Federal law are to be considered at the initial meeting here March 5 of the new medical advisory subcommittee of the Joint Contact Committee of the American Drug Manufacturers Association and the American Pharmaceutical Manufacturers Association.

The group was created to compile technical information for use of the contact committee in discussing problems of the industry with officials of the Food and Drug Administration, particularly as to labeling requirements of the new food, drug, and cosmetic act. Among the subjects which the subcommittee will study are the suggested labels for various types of drug products listed by the Food and Drug Administration some two months ago with the view of suggesting changes or modifications in the language of some of them as they apply to a number of specific products.

Labeling for Dispensers

Another subject which may come up for discussion is the desire of some manufacturers for a different label treatment for products sold to dispensing physicians than is required for preparations sold on the general market. In this connection, officials of the Food and Drug Administration have consistently taken the view that the law makes no distinction between the two types of products except that preparations made up on the prescription of a physician need not be labeled except as the physician directs, and directions for use may be omitted from products labeled to show that they are for use only by the direction of a physician.

The administration has even carried this to the point of requiring that small ampuls, which are ordinarily used only by physicians, must bear all the label statements which would be required on a large bottle except that, where the label is too small to permit all the information, some of it may be omitted as stated in regulations, provided the additional information appears on the carton or on an inserted printed slip.

Various questions recently answered by the Food and Drug Administration provide the following information on labeling under the new law:—

Fish-Liver Derivatives

Manufacturers of vitamin concentrates who have difficulty determining the identity of the fish livers from which purchased oils were extracted have been informed by the administration that for the time being there is no objection to language on the labels of vitamin capsules stating that the active ingredients are fish-liver oils or concentrates provided this statement is used only to indicate the source of vitamins and there is no representation of any particular kind of fish.

—Continued on page 50

Mineral Oil Barred From Food Use

OPD Washington Bureau
February 29, 1940

The use of mineral oil in foods is still frowned upon by the Food and Drug Administration, which is adhering to its policy of the past decade, although two specific uses may be covered in regulations and standards to be promulgated sometime within the next several months.

Salad dressings containing mineral oil are now classed as drugs and must bear labeling as such, but it is likely that special consideration may be given such products at hearings on regulations under section 403 (j) covering special dietary foods. These regulations probably will be issued in tentative form within the next few weeks and a date set for public hearing. One problem which has not yet been settled arises from the fact that mineral oil laxatives must be labeled

—Continued on page 36

New Conception of Petroleum Solvents and Thinners

By Edward M. Toby, Jr.

American Mineral Spirits Company

Paper read February 23, 1940, before the Southern States Federation Associates in Atlanta

It is the primary function of an organization engaged in the manufacture and sale of technical products, or even of an entire industry engaged in kindred work, to keep abreast of the advances in those fields served by them and to attempt to develop their products along with developments in the industry they serve. They should also follow advances in their own field, so they can interpret these advances in the development of new, lower-cost, and superior products for their consuming trade. This is particularly applicable to us in the petroleum industry in our dealings with your own industry. Our common frontier is small indeed compared to our industry as a whole; and, unless we pay particular attention, developments in our industry might never come to your attention.

It is my opinion that the petroleum industry, insofar as the manufacture of solvents and thinners is concerned, has reached a crossroads on the path to ultimate perfection, and that we who are engaged in that industry must give care, study, and consideration to the choice of the proper course to be followed.

The petroleum industry is now in the middle of the process of metamorphosis. This industry was formerly primarily concerned in taking a barrel of crude oil and refining therefrom, by purely physical means, only those products which were useful for propulsion, illumination, lubrication, and for transfer into heat energy. Today the picture is changing, and changing rapidly. Today the refiner is interested in the transformation, by methods both chemical and physical, of that same crude oil into products that are suitable, from a chemical and physical standpoint, for use in many more diverse fields than those in which the products of petroleum could formerly be employed. In other words, the petroleum industry is not interested in petroleum as furnished by Nature, but it is more and more

—Continued on page 54

Drug Endorsement Ban Is Proposed

OPD Washington Bureau
February 27, 1940

A bill (H.R. 8672) to prohibit the use of seals and certificates of quality in connection with the sale of foods, drugs, or cosmetics was introduced in the house today by Representative William Lemke of North Dakota.

It was stated at Mr. Lemke's office that the bill is particularly directed against the seals of the American Medical Association, although it is so drawn as to affect other sorts of certificates on products of this nature. The bill would be an addition to the definition of unfair trade practices listed in the Federal Trade Commission act, and would add another paragraph to section 5 of that act reading as follows:—

The use, sale, purchase, or exchange of any seal, stamp, or certificate of another person, association, organization, or company denoting or implying equality or superiority in purity, quality, usefullness, or effectiveness of any drug, food, cosmetic, therapeutic lotion, therapeutic device, or diagnostic or surgical assists in comparison or competition with other products of like kind, or similar nature, unless such seal, stamp, or certificate has been approved by the Federal Trade Commission, shall be deemed to be unfair or deceptive acts or practices in commerce.

Closing Markets

Tetrachloride of Tin Easier

Anhydrous tetrachloride of tin declined ¼c. to 23¾c. per pound. Other tin derivatives held unchanged. Straits metal was quoted at 47½c. per pound.

Cottonseed Oil Quiet

Refined cottonseed oil futures were quiet on Friday, sales for the day being only 13 contracts. Price changes were small. May closed at 7.02c. and July 7.12c., these prices being 10 to 12 points below the final quotations of the previous Friday. Southern markets for cottonseed products were quiet and steady.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Cosmetics:—The Swedish import duties on cosmetics and perfumes have been restored to the higher rates in force prior to the reductions that were made as a result of the Swedish-French quota agreements of 1933 and 1935.

Fuel Oils:—The Belgian import duties on fuel oils for vehicles, other than vessels and ships, were increased to 150 francs per 100 kilos; other fuel oil, 20 francs per 100 kilos; heavy oils not specified, residues liquid at 50 degrees Centigrade, 20 francs per 100 kilos.

Gasoline:—Egypt has increased the excise tax gasoline 1,240 milliemes per 100 kilos, and lubricating oil 500 milliemes per 100 kilos.

Gasoline:—The duty on gasoline imported into Malta from all sources has been increased from 7s. 4d. to 11s. per hectoliter.

Gasoline:—The internal tax on gasoline imported into or produced in Norway has been increased from 0.12 to 0.15 crown per liter.

Medicinals:—In order to safeguard domestic supplies of essential foodstuffs and raw materials and avoid further price increases, a resolution of the Mexican Ministry of Finance prohibits the exportation of imported medicinal preparations, and raw materials used in the manufacture of pharmaceutical or medicinal products.

Oilseeds:—Oil seeds, oil fruits, margarin and artificial fats have been made subject to monopoly control under the German Control Board for milk products, oils and fats.

Pharmaceuticals:—Cuba has suspended until April 1 the enforcement of the decree prohibiting the importation and sale of pharmaceutical, biological, and opotherapic specialties, when their price to the Cuban importer is lower than the net price to the wholesaler or distributor in the country of origin.

Official Drugs May Be Statutorily 'New'

OPD Washington Bureau
February 28, 1940

The fact that a drug may be listed in an official compendium is not necessarily evidence that it has been in use, and it may be subject to the provisions regarding new drugs in section 505 of the Federal food, drug, and cosmetic act, the Food and Drug Administration has ruled. Admitting that this section would not ordinarily apply to such preparations, the administration stated that it would be possible for a new drug to be listed before it had been placed on the market.

This opinion applies, not only to the United States Pharmacopeia, the National Formulary, and the Homeopathic Pharmacopeia of the United States, but also to New and Non-official Remedies.

Casein Paint Div. Sold By Beatrice Creamery Co.

The American Asphalt Paint Company, Chicago, has purchased the casein paint division of the Beatrice Creamery Company, according to an announcement made last week by Grover M. Hermann, president of the former concern.

Chemical Price Average Drops

There was more than usual price movement both ways last week in the markets for heavy and fine chemicals. The net effect was a lowering of the general average. Arsenicals were the major influence; the tin, lead, and zinc groups were higher, and so was domestic quicksilver.

Buying was steady for nearby needs, with some spots of improvement. The general industrial picture indicated that the sag had about reached its low point, although inventories showed a gain over the past month.

Prices were advanced on Straits tin, stannous chloride, tin crystals, tetrachloride of tin, lead, red lead, litharge, orange mineral, zinc, zinc dust, domestic quicksilver, gum turpentine, shellacs, ground and leaf sumacs, domestic dried blood, imported bone, and Japanese sardine meal.

Prices were reduced on arsenate of lead, calcium arsenate, copals, dammars, domestic and Argentine casein, mangrove bark, domestic egg albumen and yolk, hoofmeal at Chicago, tankage here, and domestic nitrogenous fertilizer stuff.

The REPORTER's composite index number of prices for heavy and fine chemicals receded to 128.4 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER's index number is now 90.9, compared with 88.9 at this time last year and 89.6 in 1938.

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Foreign Trade Unit Reformed by U.S.

OPD Washington Bureau
February 27, 1940

The Department of State has created a new Division of Commercial Affairs to supplant the duties of the Consular Commercial Office. It is charged with the direction of the activities of the foreign service which pertain to the protection and promotion of American commercial and agricultural interests abroad.

Creation of the new division was deemed advisable as the result of the transfer last year of the foreign services of the Department of Commerce and the Department of Agriculture to the Department of State. The division comes directly under the supervision of Assistant Secretary of State Breckenridge Long, and its chief is James J. Murphy, jr., a foreign service career officer.

Among other duties, the new division is charged with the distribution of information submitted by the foreign service on agricultural and commercial interests abroad, and on economic developments abroad to the commerce and agriculture departments and to such other governmental departments and agencies as may appropriately receive it; the commenting upon, censoring, and grading of reports and other information submitted by the foreign service on commercial, agricultural, and economic matters; and the maintenance of liaison within the scope of its functions between the Department of State and the Department of Commerce and the Department of Agriculture and other governmental departments and agencies.

Business Advisory Group Adds Fourteen Members

Fourteen new members have accepted his invitation to serve on the Business Advisory Council of the Department of Commerce for the calendar year 1940, according to Secretary Harry L. Hopkins. These new members were recommended by the council's membership committee, and together with those invited to continue their services for another year bring the current council membership up to sixty.

The new members met with the entire council for the first time, February 29, when the advisory group started its regular two-day conference. Among the new members are Cornelius F. Kelley, president of the Anaconda Copper Mining Company, New York; Thomas B. McCabe, president of the Scott Paper Company, Chester, Pa., and Nicholas H. Noyes, vice-president of the Eli Lilly & Co., Indianapolis, Ind. Among those completing their service on the council are F. B. Adams, chairman of the Executive Committee of the Air Reduction Company, New York, and C. K. Leith, department of geology of the University of Wisconsin, Madison.

Oil Control Bill Hearings Ended

OPD Washington Bureau
February 27, 1940

Hearings on the Cole bill for Federal control of oil and gas wastage were adjourned today, subject to the call of the chairman of the subcommittee of the house interstate and foreign commerce committee which has been conducting the hearings. Today's testimony concluded nineteen days of hearings, during which the subcommittee heard dozens of witnesses for and against the measure.

The only witness remaining to be heard is Col. Ernest O. Thompson, of Texas, who may be called before the subcommittee at some future date to speak for the Interstate Oil Compact Commission.

Witnesses who appeared this week against the measure were Russell B. Brown, general counsel for the Independent Petroleum Association of America; Frank Buttram, president of the Independent Petroleum Association of America; J. C. Hunter, president of the Mid-Continent Oil and Gas Association; Representative Frank Carlson of Kansas; Fayette B. Dow, Washington, counsel for the National

—*Continued on page* 58

Manufacturers Honor Research Workers

Contributions of the American inventor and research worker in opening up new avenues of employment through the development of new products was acclaimed by 1,500 members and guests of the National Association of Manufacturers at a dinner in the Waldorf-Astoria, this city, February 27. The dinner was the occasion for honoring twenty-nine inventors as "national modern pioneers," with the presentation of silver plaques to eighteen inventors and the awarding of a scroll to a group of eleven research workers of the laboratories of E. I. duPont de Nemours & Co.

In addition, scrolls were presented to 102 inventors of the New York-New Jersey area "in recognition of their contributions toward creating new opportunities and better standards of living." The dinner climaxed a series of fourteen regional meetings throughout the month, sponsored by the association and at which more than 500 inventors and research workers were similarly honored. Among those hailed as "modern pioneers" were:—

Leo H. Baekeland, founder and retired president of the Bakelite Corporation, this city.

William Meriam Burton, former presi-

—Continued on page 58

Gypsum Industry Probe Started by Antitrust Div.

OPD Washington Bureau
February 26, 1940

A grand jury investigation of the gypsum industry was begun in Federal court here today as a part of the nationwide drive on building costs being conducted by the anti-trust division of the Department of Justice.

The department stated that officials of twelve of the leading producers of gypsum products have been subpoened to appear this week, but did not identify the companies. It was stated that the investigation was prompted by complaints that gypsum prices have been high and uniform for a period of years, although the prices of most other building materials have declined and while some years ago there were more than fifty producers of gypsum products there are now fewer than twenty, and three of these companies control over 75 percent of the total business and one company controls approximately 50 percent.

Wagner Offers New Labor Parley Plan

OPD Washington Bureau
February 26, 1940

A bill (S. 3410) to create a United States Mediation Board to absorb and enlarge the operations of the present United States Conciliation Service in the Department of Labor has been introduced by Senator Robert F. Wagner, of New York.

The proposed board, to be composed of three members, would have no powers but would offer its services in the settlement of strikes and labor disputes in the same way as the present conciliation service. The only difference would be that it would have larger appropriations and, perhaps, greater prestige.

DCAT Dinner Reservations Big

Reservations for this year's dinner sponsored by the Drug, Chemical and Allied Trades Section of the New York Board of Trade are running ahead of the 1939 high record, according to Ralph E. Dorland, of the Dow Chemical Company, chairman of the section.

The dinner will be held March 14 in the Waldorf-Astoria. Mr. Dorland will be toastmaster. There will be only one speech; the speaker will be United States Senator Gerald P. Nye.

The general reception and cocktail party will start at 6:00 p.m. and run for an hour in the Astor gallery, East foyer, and jade room of the hotel. J. J. Toohy, of E. R. Squibb & Sons, chairman of the reception committee, will have a hundred-odd assistants to assure proper functioning of this feature.

Exporters to Discuss Shipping Problems

The Export Managers Club will hold a luncheon in the Hotel Pennsylvania, this city, March 5. Current shipping problems will come up for discussion. Frank S. Williams, commercial attache from Tokyo, will be the guest of honor. The charge per person will be $1.65. Arrangements are in charge of Miss Devlin, 2 Lafayette street.

Developments in Domestic Paint Oils

By Louis J. Reizenstein
President of Falk & Co.

Paper read February 23, 1940, before the Southern States Federation Associates in Atlanta.

(Continued from February 26 issue)

Finishes for Porous Surfaces

The increased use of porous type wallboards and similar interior surfaces have increased the demand for a product which will efficiently seal and make a good-looking finish at a reasonable cost in two coats. The technic has been generally to make an overcooked wood oil with a minimum modification in an effort to get a big enough polymer to have nonpenetration. The recently developed "Falkide" series has enabled us to offer an oil with sufficiently large micelle aggregation to equal or surpass the nonpenetrating properties of the overcooked Oriental oils at substantial savings under even what we had grown to regard as normal cost. The "Falkide" oils had not primarily been designed for this application, but the inherent qualities makes their continued increased use in this field inevitable.

Interior Varnish Finishes

The present practice is to use either a spar varnish, a floor or finishing varnish on interior woodwork. These varnishes are usually based on either natural or synthetic resins formulated with combinations of fish and linseed oils with chinawood and other Oriental oils properly cooked, etc. Their outstanding characteristics are hard, tackfree dry, washability, flow, and resistance to abrasion. These properties can be achieved by suitable combination of domestically produced oils extended at times with synthetic resins so that you obtain a clear, glossy, hard, abrasion-resistant finish of good water resistance, even though the arbitrary hot water tests now used may not so indicate. We suggest for this application the use of "Falkyd" solutions A-5-D, C-5-D, B-41, B-5 or "Falkide L" and "Falkide F."

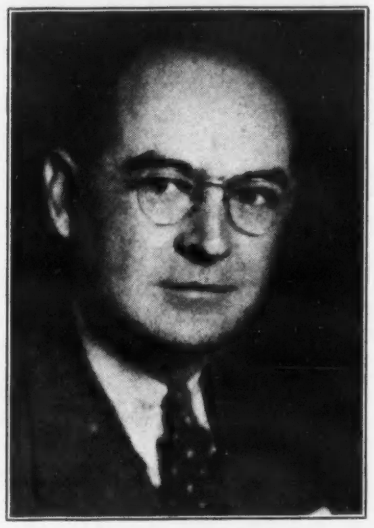
Falkyd Resin Solutions

In the "Falkyd" line of phthalic type synthetic resin solutions, there are four "Falkyd" solutions which are based on glycerol, phthalic anhydride, and domestic oils, and these "Falkyd" solutions are perfectly compatible with the various drying oils. "Falkyd" solutions A-5-D, C-5-D, B-41, and B-5 are all glycerol phthalic resin, modified with domestic oils, and no other resins. They are all light in color, low in acid, and compatible in all tested proportions with drying oils; when driers are added they all show only a

—Continued on page 61

Southern Paint Technicians Discuss Working Problems

Aside from some discussion of the establishing of an educational fund, eventually referred to the executive committee, the annual meeting of the Southern States Federation Associates in Atlanta February 23 and 24,



Hugh Aiken
Retiring S.S.F.A. President

beyond the stages covered in these pages last week, was devoted to a question bee or open forum.

Raymond A. Perry, of the Warren Paint Manufacturing Company, presided, in the role of "Doctor I. Q." A number of questions had been collected for the occasion, and the members of the convention were specifically and generally invited to show what they knew about the various matters. Concisely stated, the contributed information was as follows:—

Enamel Sagging

To eliminate sagging of a heavy brush coat of ester gum varnish enamel, it was suggested (1) that a soap be used with slower-drying oils to give a gel structure comparable to tung oil, lime being added; (2) that large proportions of finely divided extenders could be added to overcome the trouble without loss of gloss; (3) that small proportions of a primary alcohol be added. In respect of the use of magnesia-treated linseed oils the expressed opinions were diametrically opposed.

Straining Flat Paints

The general opinion was that thixotropic flat wall paints do not need straining. For packaging these paints it was suggested that a small mixer

Paul C. Kollie
New S.S.F.A. President

of the "Lightning" type be used in a change-can apparatus.

Stone Mill Leaks

To seal leaks in the runner pour of a stone mill and prevent rusting of the under part of the machine by the water it was suggested (1) that the stone be removed and the pan welded; (2) that melted sulphur be poured into the pan; (3) that the leaks be closed with a litharge-glycerin cement, or plaster of paris, smoothed on; (4) that the pan be caulked with lead-wool.

Second Coat Blistering

If no moist condition of the surface existed when the first coat was applied, it was opined that blistering of a second coat of semigloss wall paint, applied twenty-four hours after the first coat was thoroughly dry, resulted from the first coat's being too hard. This condition could be avoided by adding kettle-boiled linseed oil to the first coat. In explanation it was said that the first coat probably contained too much binder or the wrong kind; the added oil softened the coat.

Maintaining Mill Pebbles

Annual checking was considered adequate for watching the reduction of the size of pebbles in a mill. The feeling was that small pebbles did not do much harm, but removal of pebbles so small that they might get out of the mill was advised. Pebbles could be sorted for size by screening or by hand-picking.

Paste Color Containers

It was agreed that it could be suggested to the Federal government that bids for colors in oil should be on the basis of volume, rather than weight, if a sufficient number of manufacturers desired the change. Reference of the matter to the National Paint, Varnish, and Lacquer Association was favored. It is not necessary to state the oil content of paste colors, the

—Continued on page 58

N.P.V.L.A. Committees For 1940 Are Named

OPD Washington Bureau
March 1, 1940

Ernest T. Trigg, president of the National Paint, Varnish and Lacquer Association, has named appointees to the various committees of the association. However, some of the committees still remain to be completed. Chairmen of the various committees are:—

Arbitration, R. O. Walker, of Thibaut & Walker Company, Long Island City.

Budget and finance, S. R. Matlack, of George D. Wetherill & Co., Philadelphia.

By-laws, H. M. Howard, of Thibaut & Walker Company, Long Island City.

Calcimine and water paint division steering committee, Carl Iddings, of the Muralo Company, Staten Island.

Chamber of Commerce, F. J. Sampson, of the Sampson Paint & Color Company, Richmond, Va.

Chinawood oil, deLancey Kountze, of Devoe & Raynolds Company, New York.

Clean up and paint up, Adam E. Daum, of Pittsburgh.

Credits and collections, H. E. Rhell, of the John T. Lewis & Bros. Company, Philadelphia.

Drying oils, W. H. Jarden, jr., of the McCloskey Varnish Company, Philadelphia.

Legislative, E. A. Foy, jr., of the Foy Paint Company, Cincinnati.

Local association program, R. B. Anderson, of the Brooklyn Varnish Manufacturing Company, Brooklyn.

Machinery and equipment, N.P.V.L.A., N. W. Kelley, of the Southern Varnish Corporation, Roanoke, Va.

Federation, A. O. Allen, of the A. C. Horn Company, Long Island City.

Memorial, R. F. Adams, of the *Paint, Oil & Chemical Review*, Chicago.

—Continued on page 37

Chemists Club Nominates Officers

The nominating committee of the Chemists' Club, this city, headed by S. W. Jacobs, has submitted the following nominees for this year's balloting by mail for officers of the organization:—

President, F. M. Becket.

Resident vice-president, Ralph E. Dorland.

Nonresident vice-president, Gustav Egloff.

Suburban vice-president, Robert J. Moore.

Secretary, Robert T. Baldwin.

Treasurer, Ira Vandewater.

Members of the board of trustees, Howard B. Bishop and Thomas Midgley.

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Current Market Quotations

March 1, 1940

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs., a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .65 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., bbls.....lb. .22 - —
95%, bbls.....lb. .29 - —
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoactanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .07¼- —
l.c.l., dms., dlvd.....lb. .07¾- —
tanks, dlvd.....lb. .05¾- —
Methyl (see M).
Acetophenone, bots.....lb. 1.60 - —
cns., 25 lbs.....lb. 1.25 - —
dms., 100 lbs.....lb. 1.20 - 1.27
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Texas E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys.....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
cbys.....100 lbs. 8.12 - 8.37
tanks.....100 lbs. 5.00 - —
USP, bbls.....100 lbs.10.25 -10.50
cbys.....100 lbs.10.75 -11.00
synth., 99.5%, al. dms., 100 lbs. 8.43 - 8.68
cbys.....100 lbs. 8.93 - 9.18
USP, al. dms.....100 lbs.10.25 -10.50
cbys.....100 lbs.10.75 -11.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys.....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys.....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys.....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .22 - .25
Ascorbic, bots., dms.....oz. 2.75 - 3.00
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, dlvd., ton.106.00 - —
c.l., dlvd.....ton.111.00 - —
l.c.l., ex whse.....ton.118.00 -123.00
sks., contracts, 80 tons, dlvd..ton.96.00 - —
c.l., dlvd.....ton.101.00 - —
l.c.l., ex whse.....ton.108.00 -113.00
powd., bbls., contracts, 80 tons, dlvd..ton.111.00 - —
c.l., dlvd.....ton.116.00 - —
l.c.l., dlvd.....ton.123.00 -138.00
sks., contracts, 80 tons, dlvd..ton.101.00 - —
c.l., dlvd.....ton.106.00 - —
l.c.l., ex whse.....ton.113.00 -123.00
USP, $25 per ton higher.

Acid, butyric, 99%, dms., c.l., S. Charleston, W. Va...lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 7.00 - —
Capric, dms.....lb. .14 - .14½
Caporic, dms., works.....lb. .35 - .40
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .17 - .17½
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N. Y..lb. .15¼- —
l.c.l., 5 tons, dlvd. N. Y. lb. .15¾- —
dms., smaller quantities, dlvd. N. Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhyd., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Coconut oil, dms.....lb. .10¾- .11¼
Corn, dist., dms.....lb. .10 - .10¼
Cottonseed oil, dist., dms....lb. .09¼- .10
tanks.....lb. .09 - —
Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equid..gal. .68 - —
l.c.l., same basis.....gal. .70 - —
special blends (56%, 210°-215°), dms., c.l., works, frt. equid..gal. .71 - —
l.c.l., same basis....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equid..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equid..gal. .71 - —
l.c.l., same basis.....gal. .73 - —
imported, pale, dms...gal. .70 - .75
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U.S..gal. .40 - —
l.c.l., same basis....gal. .41 - .42
tanks, dlvd., East U.S.gal. .389 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .46 - —
l.c.l., same basis....gal. .47 - .48
tanks, dlvd. East U.S..gal. .449 - —
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., f.o.b. works, c.l..lb. .10½- —
l.c.l., 25 and over..lb. .11 - —
1-24 .....lb. .11¼- —
Fumaric, bbls., 1 ton delivery..lb. .24 - —
smaller lots.....lb. .25 - —
Gallic, tech., bbls.....lb. .75 - .78
N. F., VI, bbls., 200 lbs., 5 or more..lb. .92 - —
single bbls.....lb. .95 - —
fib. dms., 25 lbs.....lb. 1.01 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls.....lb. .45 - —
Hydriodic, 47%, bots.....lb. 2.80 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct., cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
lead cbys.....lb. .08 - .08½
48%, lead cbys.....lb. .10½- .11
52%, lead cbys.....lb. .11½- .12
60%, lead cbys.....lb. .14 - .14½
Hydrofluosilic, 30-35%, 420 lb. bbls..lb. .09 - .09¼
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys., works....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .16½- .11½
plastic grade.....lb. .12½- .13½
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11½- .12½
plastic grade.....lb. .13¼- .14½
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms....lb. .14 - .14½
Laurent's, bbls.....lb. .45 - —

Acid, linseed oil, dark, dms..lb. .13 - .13¼
light, dms.....lb. .14 - .14½
extra white, dist., dms...lb. .14½- .15
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
dms., l.c.l.....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls... lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works....100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works....100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works....100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
cryst., gran., bbls., car lots.lb. .21 - —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .18¼- .18¾
Naphthenic, dom., acidity, 160, dms., c.l., works..lb. .11 Nom.
l.c.l., dms., works.....lb. .11½ Nom.
tanks, works.....lb. .10¼ Nom.
200-220, dms., c.l., works...lb. .09½ Nom.
l.c.l., dms., works.....lb. .10 Nom.
tanks, works.....lb. .09 Nom.
240, dms., c.l., works.....lb. .14 Nom.
l.c.l., dms., works.....lb. .14½ Nom.
tanks, works.....lb. No prices
Nicotinic, 25-lb. cns.....lb.15.00 -15.50
5-lb. bots.....lb.16.50 - —
1-lb. bots.....lb.17.00 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works.....100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works....100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works....100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works....100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11¼- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms...lb. .08 - .08½
tanks.....lb. .07½- —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1,710, cbys., 180 lbs..lb. .12 - —
50%, s. g. 1,347, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic ref., cbys., works..lb. .25 Nom.
dms., works.....lb. .22 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works.....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. 1.05 Nom.
cns.....lb. 1.10 Nom.
USP, cryst., cns.....lb. 1.55 - —
resubl., cns.....lb. 2.10 - —
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., c.l., works....lb. .27 - —
l.c.l., dms., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works..lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms....lb. .09¼- .09¾
Stearic, distl., double pressed, bgs., dlvd..lb. .12 - .13
single pressed, bgs., dlvd.lb. .11¼- .12½
triple pressed, bgs., dlvd..lb. .14¾- .15¾
saponif., double pressed, bgs., dlvd..lb. .12¾- .13¾
triple pressed, bgs., dlvd..lb. .15½- .16½
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.68
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.. ...lb. .04 - .10

Acacia—Alcohol

Acid, sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9 works..100 lbs. 1.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. Works..... 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys....lb. .06¼- —
9-lb. bots.....lb. .16⅔- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms....lb. .44 - .46
USP, fluffy, bbls., 1,000-lb. lots..lb. .88 Nom.
100-lb. lots.....lb. .90 Nom.
25-lb. lots.....lb. .95 Nom.
powd., bbls., 1,000 lbs.....lb. .78 Nom.
smaller lots.....lb. .80 Nom.
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment, lb. .35¼- —
smaller quantities.....lb. .35¾- —
kgs.....lb. .36¼- —
Tobias, bbls.....lb. .65 - .80
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungsten, CP, kgs., wks....lb. No prices
Chem. grade, kgs., wks....lb. No prices
Aconite leaves, bls.....lb. .28 - .30
Root, bls.....lb. .38 - .40
Aconitine, amorph., bots.....oz.23.00 - —
vls.....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vls.....gr. 1.60 - —
Adeps lanae, anhyd., dms.....lb. .30 - .31
hyd., dms.....lb. .29 - .30
Agar 1, bls.....lb. 1.45 - 1.50
3, bls.....lb. No prices
Agaric, white, bls.....lb. 5.00 - 5.25
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis..lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .55 - .62
import, bgs.....lb. .60 Nom.
egg, ed., dom., cryst., bbls..lb. .56 - .59
dom., powd., dms., bbls., lb. .61 - .64
import, cs.....lb. .60 - .62
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
Benzyl, cns.....lb. .68 - —
drums.....lb. .63 - —
Butyl, normal, cns., works..lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagon, frt. alld....lb. .09½- —
Contract prices 1c. per gal. less.
Secondary, dms., c.l., frt. paid E. of Miss. R..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
tertiary, denaturing, c.l., dms., lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks.....lb. .11¼- —
Capryl, pure, dms.. works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .95 - —
import, 85%, 100-lb. dms...lb. .55 - —
5 to 10 lbs.....lb. .75 - —
com'l, 350-lb. dms.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD14, dms., c.l., works, E..gal. .31½- —
l.c.l., works, dms.....gal. .33½- —
tanks, E., works.....gal. .25½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI, 190 pf., bbls., c.l., E. works..gal. .29½- —
19 bbls., E. works...gal. .31½- —
1 to 18 bbls., E. works, gal. .34½- —
dms., c.l., E. works....gal. .28½- —
19 dms., E. works....gal. .30½- —
1 to 18 dms.....gal. .33½- —
tanks, E. works.....gal. .22½- —
Anhydrous 3c. per gal. higher.
SD-2B., dms., c.l., works, E. gal. .26½- —
19 dms., works, E...gal. .28½- —
1 to 18 dms., works, E. gal. .31½- —
tanks, E., works.....gal. .20½- —
SD23-G, works, E., c.l., dms., gal. .32½- —
19 dms.....gal. .34½- —
1 to 18 dms.....gal. .37½- —
tanks.....gal. .26½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

Alcohol—Ammonia Phosphate

Alcohol, special solvent, dms., c.l., E. works..gal. .29½- —
20 dms., E. works..gal. .31½- —
1 to 10 dms.....gal. .34½- —
tanks, E. works.....gal. .23½- —
Tankcar sales require written authorisation by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l.,dlvd..lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
cns., works.....lb. .16½- .18½
tanks, dlvd.....lb. .11 - —
tech., dms., c.l., dlvd.....lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
cns., works.....lb. .16 - .18
tanks, dlvd.....lb. .10½- —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.55 - —
19 bbls. .....gal. 4.58½- —
1 to 18 bbls.....gal. 4.61½- —
dms., c.l.....gal. 4.54 - —
19 dms. .....gal. 4.57½- —
1 to 18 dms.....gal. 4.60½- —
tanks .....gal. 4.48 - —
absolute, dms., c.l.....gal. 4.81½- —
19 dms. .....gal. 4.85 - —
1 to 18 dms.....gal. 4.88 - —
Grain alcohol 25c. gal. higher.
Furfuryl, tech., cns..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .30 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., works..lb. .0690- —
tanks, same terms.....lb. .0590- —
Alcohol, isopropyl, refd., 91%, dms., 5 gal., f.o.b., dest., gal. .65 - —
55 gal. c.l., same basis, gal. .33½- —
l.c.l., same basis....gal. .38½- —
tanks, frt., alld.....gal. .28½- —
99%, dms., 5 gal., same basis, gal. .65 - —
55 gal., c.l., same basis, gal. .36 - —
l.c.l., same basis....gal. .41 - —
tanks, same basis.....gal. .31 - —
Methyl (see Methanol).
Phenylethyl, bots., cans.....lb. 2.50 - 3.35
Propyl, normal, dms., works, gal. .70 - —
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y., lb. .44 - —
450 lb. lots, same basis....lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .22 - .23
Aloe, Cape, cs.....lb. .20 - .21
Curacao, cs.....lb. .44 - .45
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .40 - .45
Aloin, 140-lb. bbls.....lb. 3.25 - —
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. .45 - .50
peeled, bls.....lb. .47 - .49
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd. N. Y., Phila..100 lbs. 3.50 - —
lump, bbls., works.....100 lbs. 3.75 - —
dlvd. N. Y., Phila...100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd. N. Y., Phila..100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N. Y. prices apply to truck or ex warehouse.
Potash, gran., bbls., works, 100 lbs. 3.75 - —
dlvd. N. Y., Phila..100 lbs. 3.75 - —
lump, bbls., works.....100 lbs. 4.00 - —
dlvd. N. Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd. N. Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash-chrome, bbls.....lb. .06¼ Nom.
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, 20%, normal solut., bbls., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .09 - —
52%, basic solut., bbls., c.l., dlvd..lb. .10 - —
l.c.l., dlvd.....lb. .12 - —
basic powd., bbls., dlvd...lb. .40 - —
smaller containers, dlvd., lb. .50 - —
Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., dms., works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .03¼- —
Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .12 - —
l.c.l., bgs., dlvd.....lb. .12½- —
bbls., c.l., dlvd.....lb. .12½- —
l.c.l., bbls., dlvd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17¼- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l. .....lb. .20 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works.....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron-free, bgs., c.l., works, 100 lbs. 1.45 - —
l.c.l., works.....100 lbs. 1.70 - —
bbls., c.l., works...100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 1.90 - —
Aluminum 98-99%, c.l.....lb. .20 - —
l.c.l. .....lb. .21 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .63 - —
ink, dms., 1,500 lbs.....lb. .73 - —
standard, dms., 1,500 lbs..lb. .40 - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms., 1,500 lbs.lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1,500 lbs..lb. .42 - —
rubber compound, dms., 1,500 lbs..lb. .40 - —
unpolished, dms., 1,500 lbs. lb. .37 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
standard, dms., 1,500 lbs.lb. .40 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz. 17.00 -26.00
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dvd..lb. .27 - .33
dms., dlvd.....lb. .23 - .26
Aldehyde, dms.....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works.lb. .04¼- —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y.lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l. .....lb. .02¾- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works.....lb. .04 - —
Benzoate, dms., 4,000 lbs. or more..lb. .40 - .42
1,000 lbs. to 3,900 lbs....lb. .41 - .43
900 lbs. or less.....lb. .42 - .46
kgs., 4,000 lbs. or more....lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs. or less.....lb. .42 - —
Bicarbonate, bbls., dlvd., Met. N. Y..lb. .0556- —
kgs., same basis.....lb. .0606- —
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kegs .....lb. .36 - —
Carbonate, lump, bbls., dlvd., Met. N. Y..lb. .08 - —
kgs., same basis.....lb. .11 - —
cns., same basis.....lb. .13½- —
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, dms.....lb. .80 - —
cns. .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .20
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. .17 - .19
Persulphate, kgs., dom.....lb. .21 - .22
imported, kgs.....lb. .18 - —
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10

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PURE MOLYBDENUM TRIOXIDE
AND TECHNICAL MOLYBDENUM TRIOXIDE

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MOLY

Ammonia, phosphate, monobasic, crude (fert. grade), 11% N 48% phos., bulk, f.o.b. E. works.. unit-ton. No prices
pure, bbls. ....lb. .40 - .45
tech., bbls., c.l. ....lb. .07½- —
l.c.l. ....lb. .09 - .10
Salicylate, U.S.P., kgs. ....lb. 1.15 - 1.20
Silicofluoride, imp., bbls., ex-dock N.Y. ..lb. .11½- .12
Stearate, anhydrous ....lb. .24½- —
paste ....lb. .06½- —
Sulphate, dom., bulk, c.l., f.o.b. shipt. ..ton.28.00 - —
Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., dlvd. ..lb. .06 - —
l.c.l., works ....lb. .12 - .13
tanks, dlvd. ....lb. .07½- —
red, 48%, cbys., works ....lb. .07½- —
dms., works ....lb. .05½- —
yellow, 33%, cbys., works ..lb. .07½- —
dms., works ....lb. .05½- —
Sulphocyanide, pure, 90-100%, kgs. ..lb. .65 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. ....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works ..100 lbs. 4.45 - —
l.c.l., same basis ...100 lbs. 5.00 - 5.15
import, csks. ....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd. ..lb. .12½- —
l.c.l., dlvd ....lb. .13 - —
tanks, dlvd ....lb. .11½- —
cns., works ....lb. .17 - .19
Ex Pentane, dms., c.l., frt. alld., lb. .10½- —
l.c.l., frt. alld ....lb. .11½- —
tanks, frt. alld ....lb. .09½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable ..lb. .75 - —
Caproate, cns. ....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works ....lb. .68 - —
mixed, tech., dms., c.l., works ..lb. .0565- —
l.c.l., works ....lb. .0665- —
tanks, works ....lb. .0465- —
Nitrite, bots ....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works ..lb. .25 - —
Salicylate, 5 lbs., bots., 25 dms., l.c.l., works ..lb. .26 - —
cns., 25 lbs. ....lb. .51 - —
Stearate, dms., l.c.l., works ..lb. .26 - —
Amylene, dms., c.l., works ....lb. 1.02 - —
l.c.l., works ....lb. .11 - —
tanks, works ....lb. .09 - —
Anethol, bots ....lb. 1.05 - 1.15
Angelica root, dom., bls. ....lb. .25 - .26
import, natural, bls. ....lb. .70 - .75
twisted bls. ....lb. .95 - 1.25
Angostura bark, bls. ....lb. .28 - .32
Anilin oil, dms. ....lb. .15 - —
l.c.l. ....lb. .16 - —
tanks ....lb. .14½- —
Salt, dms., works ....lb. .22 - .24
Anise, Mexican, bgs. ....lb. .13½- .14
Spanish, bgs. ....lb. .27½- .28
Star, bgs. ....lb. .15½- .16
Anisic aldehyde, bots ....lb. 2.65 - 2.75
Annatto paste, bxs. ....lb. .34 - .39
seed, bgs. ....lb. .06½- .07
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., wks. ....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys. ....lb. .17 - —
Metal, spot ....lb. .14 Nom.
Needle, powd., kgs. ....lb. .18 Nom.
Oxide, bgs., c.l. ....lb. No price
l.c.l. ....lb. No price
Salt, 65%, kgs. ....lb. .42 Nom.
White pigment, bgs., f.o.b. Laredo, Tex. ..lb. .15½ Nom.
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots. ....lb. 2.10 - 2.15
Apomorphine, bots. ....oz.23.20 -23.70
Archil extract, con., bbls. ....lb. No prices
double, bbls. ....lb. No prices
triple, bbls. ....lb. No prices
Areca nuts, powd., bbls. ....lb. .13 - .16
Arecoline hydrobromide, bots. .oz. 6.00 - 6.10
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls. ....lb. .40 - .42
Root, bls. ....lb. .49 - .51
Arrowroot, St. Vincent, powd. bgs. ..lb. .09 - .09½
bbls. ....lb. .09½- .10
Arsenic, metal, lump, cs. ....lb. No prices
Chloride (arsenous), cns. ....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots. ..lb. 5.58 - —
jars ....lb. 5.43 - —
Red, import, cs. ....lb. .17½- .18
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l. ....lb. .03 - —
l.c.l. ....lb. .03¾- —
Asafetida, cs. ....lb. .45 - .50
powd., bbls., bxs. ....lb. .70 - .75
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.23.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.19.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.16.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.14.00 - —
Asphaltum, Manjab No. 10, crude, tons, f.o.b. plant ....lb. .04½- —
smaller lots, f.o.b. plant, lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant ....lb. .05 - —
smaller lots, f.o.b. plant..lb. .06 - —
California, dms., c.l., f.o.b. N. Y. ..ton.29.00 - —
l.c.l., f.o.b. N. Y. ....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton.60.00 - —
l.c.l., f.o.b. N. Y. ....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y. ..ton.35.00 - —
l.c.l., f.o.b. N. Y. ....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y. ..lb. .12 - —
l.c.l., f.o.b. N. Y. ....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points.. ton.32.00 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
Asphaltum, Gilsonite, selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton.51.00 - —
Jet., bgs., c.l., Western shipping points..ton.30.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery ....ton.21.00 - —
tanks, refinery ....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery ....gal. .06½- —
N. Orleans refinery....gal. .06 - —
Atropine, bots. ....oz. 5.75 - 6.00
Sulphate, bots. ....oz. 4.45 - 4.70

B

Balm of Gilead buds, bgs. ....lb. .45 - .50
Barberry bark, bgs. ....lb. .37 - .39
Tree bark, bls. ....lb. No prices
Barbital, cs. ....lb. 3.50 - 3.60
sodium, cs. ....lb. 3.75 - —
Barium carbonate, natural, 90-96%, grd., bgs., c.l., works, ton.45.00 -47.00
99% thru 200 mesh, bgs., c.l., works..ton.47.00 -49.00
precip., bgs., c.l., works..ton.52.50 - —
Chicago ....ton.55.00 - —
l.c.l., works ....ton.57.50 - —
Chicago ....ton.60.00 - —
bbls., c.l., works ....ton.57.50 - —
Chicago ....ton.60.00 - —
l.c.l., works ....ton.62.50 - —
Chicago ....ton.65.00 - —
sulphur-free, bgs., c.l., works, ton.57.50 - —
l.c.l., works ....ton.62.50 - —
Chlorate, kgs. ....lb. .20 - .25
Chloride, CP., cryst., bbls. ..lb. .25 - —
kgs. ....lb. .27 - —
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line....ton.77.00 - —
bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis..ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms., c.l., works ...lb. .10 - —
l.c.l., same basis ....lb. .12 - .15
Fluoride, bbls. ....lb. .14 - .15
Fluosilicate, bbls. ....lb. .16 - —
Hydrate (see Hydroxide).
Hydroxide, bbls., imp. ....lb. .06½ Nom.
dom., works ....lb. .06½- .07
Iodide, bots. ....lb. 4.77 - —
jars ....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks. ....lb. .09 - .10½
Oxide, dms., c.l., ungrd., works, lb. .08 - —
l.c.l., same basis ....lb. .10 - .12
grd., dms., l.c.l., works..lb. .11 - .15
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls. ....lb. .09½- .10
kgs. ....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.25.15 - —
l.c.l., same basis ....ton.26.15 - —
paper bags, c.l., St. Louis..ton.22.85 - —
l.c.l., same basis. ....ton.23.85 - —
ex whse., New York ....ton.31.50 - —
southern off color, bulk, mines, ton.12.00 - —
95.75%, bulk, mines....ton.16.00 - —
ore, bulk, mines ....ton. 7.00 - —
Cuban, crude, c.l., c.l.f. ....ton.11.00 - —
German, grd., bbls., c.l., dock, t.a. ..ton. No prices.
l.c.l., ex whse. ....ton. No prices.
ungrd., bulk, c.l., ex dock.ton. No prices.
Italian, grd., bbls., c.l., ex dock, t.a. ..ton.29.50 Nom.
l.c.l., ex whse. ....ton.32.50 Nom.
Bauxite, bulk, mines ....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls. ....lb. .82 - .90
Bayberry bark, bgs. ....lb. .14 - .15
Belladonna leaves, bls. ....lb. .30 - .35
Root, bls. ....lb. .35 - .40
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys, dms., lb. .55 - .60
USP, X, dms., 50 to 100 lbs. ..lb. .85 - —
5 to 25 lbs. ....lb. .90 - .96
Benzene (see benzol).
Benzidin base, bbls. ....lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .21 - —
tankcars, frt. alld. E. of Omaha, gal. .16 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .16 - —
export ....gal. .17 - —
Benzoyl chloride, cbys. ....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns. ....lb. .49 - —
dms. ....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans, lb. .84 - —
dms. ....lb. .80 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns. ....lb. 4.15 - 5.50
Formate, cns. ....lb. 2.75 - 3.50
Benzylidineacetone, bots. ....lb. 2.00 - 2.50
Berberine bisulphate, cns. ....lb.17.25 -17.50
Hydrochloride, cns. ....lb.17.25 -17.50
Sulphate, cns. ....lb.17.25 -17.50
Berberis root, bls. ....lb. .12 - .13
Betanaphthol, sublim., kgs. ....lb. .60 - —
tech., bbls., c.l., works ....lb. .23 - —
l.c.l., bbls., works ....lb. .24 - —
Benzoate, fib., dms. ....lb. 2.10 - —
kgs ....lb. 2.00 - —
Betanaphthylamine, tech., kgs. ..lb. .51 - —
Beth root, bls. ....lb. .19 - .21
Bismuth chloride, 5-lb. bots. ..lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars ....lb. 2.63 - —
Hydroxide, 5-lb. bots. ....lb. 3.46 - —
cns. ....lb. 3.33 - —
Metal, ton lots. ....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots. ..lb. 1.45 - —
cans. ....lb. 1.30 - —
Oxychloride, 5-lb. bots. ....lb. 3.19 - —
cns., kgs. ....lb. 3.10 - —
Subbenzoate, 5-lb. bots. ....lb. 3.36 - —
fib. dms. ....lb. 1.13 - —
Subcarbonate, bots cns. ....lb. 1.82 - 2.06
fib. dms. ....lb. 1.73 - 1.76
X-ray, 5-lb. bots. ....lb. 3.02 - —
fib. dms. ....lb. 2.96 - —
Subgallate, bots., cns. ....lb. 1.77 - 2.03
fib. dms. ....lb. 1.68 - 1.71
Sublodide, cns. ....lb. 4.01 - —
fib. dms. ....lb. 3.98 - —
Subnitrate, powd., bots., cns. ..lb. 1.57 - 1.63
fib. dms. ....lb. 1.48 - 1.51
Subsalicylate, 81-66%, bxs. ..lb. 2.59 - —
bbls., fib. dms. ....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots. ..lb. 3.61 - —
fib. dms ....lb. 3.50 - —
Trioxide, powd., 5-lb. bots. ..lb. 3.56 - —
cns. ....lb. 3.45 - —
Bismuth-ammonia, citrate, USP, powd., 5-lb. lots. ..lb. 3.40 - —
cns. ....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms. ....lb. 3.06 - —
Black, acetylene, c.l., works, duty paid ..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt., alld. E. ..lb. .17 - —
l.c.l., frt. alld. E. ....lb. .17½- —
3, bbls., bgs., c.l., frt. alld. E. ..lb. .10½- —
l.c.l., frt. alld. E. ....lb. .11 - —
4, bbls., c.l., frt. alld. E. ..lb. .09½- —
l.c.l., frt. alld. E. ....lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E. ..lb. .08½- —
l.c.l., frt. alld. E. ....lb. .09 - —
6 bbls., c.l., frt. alld. E. ..lb. .06½- —
l.c.l., frt. alld. E. ....lb. .07 - —
7 bbls., bgs., c.l., frt. alld. E. ..lb. .10 - —
l.c.l., frt. alld. E. ....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E. lb. .11 - —
l.c.l., frt. alld. E. ....lb. .11½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants. lb. .0255- —
f.o.b. North Atlantic ports, lb. .03425- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .02425- —
f.o.b. North Atlantic ports, lb. .0330- —
l.c.l., beads or uncompressed, bgs., f.o.b. whse..lb. .05¾- —
dlvd..lb. .06¼- —
cartons, f.o.b. whse. or dlvd..lb. .06¼- —
cases, f.o.b. whse. or dlvd. lb. .07 - —
bulk, cars, c.l., f.o.b. plants. lb. .0230- —
f.o.b. New York harbor..lb. .0315- —
Special, 2 bgs., c.l., works, lb. .08½- —
l.c.l., dlvd ....lb. .10½- —
bgs., l.c.l., dlvd ....lb. .12 - —
3, bgs., c.l., works ....lb. .13 - —
l.c.l., dlvd ....lb. .14½- —
cs, l.c.l., dlvd ....lb. .16½- —
4, bgs., c.l., works ....lb. .29 - —
cs., c.l., works ....lb. .29 - —
l.c.l., dlvd ....lb. .32 - —
5, bgs., cs., c.l., works ...lb. .40 - —
cs., c.l., dlvd ....lb. .44 - —
6, cs., l.c.l., dlvd ....lb. .60 - —
7, cs., l.c.l., dlvd ....lb. 1.10 - —
export, full compressed, bgs., f.a.s., Gulf ports..lb. .0521- —
uncompressed, cs., f.a.s., Gulf ports..lb. .0621- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08¾- —
2, bbls., l.c.l., works ....lb. .08 - —
Ivory, genuine, bbls. ....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works ....lb. .08 - —
2, ctns., c.l., works ....lb. .09 - —
l.c.l., works ....lb. .10 - —
2A, ctns., c.l., works ....lb. .11 - —
l.c.l., works ....lb. .12 - —
1, ctns., c.l., 3, ctns., c.l., works..lb. .13 - —
l.c.l., works ....lb. .14 - —
4, ctns., c.l., works ....lb. .14 - —
l.c.l., works ....lb. .15 - —
5, ctns., c.l., works ....lb. .17 - —
l.c.l., works ....lb. .18 - —
6, ctns., c.l., works ....lb. .24 - —
l.c.l., works ....lb. .25 - —
7, ctns., c.l., works ....lb. .34 - —
l.c.l., works ....lb. .35 - —
import, 1, bbls., c.l., f.o.b. N.Y..lb. .08 - —
l.c.l., f.o.b. N. Y. ....lb. .09 - —
2 bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y. ....lb. .12 - —
3, bbls., c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b. N. Y. ....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y. ....lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y. ....lb. .25 - —
vine, A, bbls., works or N. Y. lb. .04¼- —
B, bbls., works or N. Y...lb. .05½- —
works ....lb. .13½- .15½
dms., c.l., frt. alld. ....lb. .09 - —
l.c.l., frt. alld. ....lb. .09½- —
Black dyes are listed under Dyes.
Black Haw, root bark, bls. ....lb. .26 - .27
Tree bark, bls. ....lb. .17 - .18
Black Indian hemp root, bls. ..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works ....ton.62.50 - —
direct process, bgs., c.l., works, frt. equal.ton.70.00 - —
l.c.l., same basis....ton.75.00 -80.00
pulp, 66⅔%, bbls., c.l., works, ton.35.00 - —
l.c.l., works ....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works ....100 lbs. 2.25 - 3.35

Ammonia Phosphate—Brown

Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 3.10 - —
high-grade, gr., 16-17 ammon., bulk, f.o.b. Chi., unit-ton. 3.25 - —
import, bgs., c.i.f. ports, shipt., unit-ton. 3.20 - —
soluble (see Albumen, blood).
Bloodroot, bls. ....lb. .11 - .12
Bloodroot, bls. ....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner contracts..lb. .36 - —
open order ....lb. .37 - —
Celestial, bbls. ....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order ....lb. .37 - —
Cobalt, genuine, 1-kilo pkg., lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld. ...lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .33 - —
open order ....lb. .34 - —
Potash, dom., bbls., same basis, alkali toner, contracts.lb. .42 - —
open order ....lb. .42 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .33 - —
open order ....lb. .34 - —
soluble, bbls., same basis, alkali toner, contracts.lb. .36 - —
open order ....lb. .37 - —
Tungstated, peacock, kgs. ....lb. 3.75 - —
Victoria, kgs. ....lb. 3.25 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equal..lb. .22 - .27
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, blue dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c., higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blueflag root, bls. ....lb. .13 - .14
Blue mass, USP, cns. ....lb. 1.47 - —
powd., cns. ....lb. 1.49 - —
Bluestone (see Copper sulphate)
Blue vitriol (see Copper sulphate)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.32.00 -33.00
import, bgs., c.i.f. ports..ton.31.00 - —
Meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.32.00 - —
import, 100-lbs., bgs., c.i.f., ports, ship..ton.32.00 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.)
Steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.29.00 -30.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.34.50 - —
Boneset leaves, bales. ....lb. .08 - .09
Borage flowers, bales. ....lb. .20 - .25
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse. ....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse. ....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min., dlvd..ton.53.00 - —
l.c.l., ex whse. ....ton.64.00 -69.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse. ....ton.54.00 -59.00
powd., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse. ....ton.69.00 -74.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse. ....ton.59.00 -64.00
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots. ....lb. 1.75 - 2.00
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots. ....lb. 1.40 - 1.60
Bromstyrol, bots. ....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls. ....lb. .14 - .15
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11¼- —
Metallic, iron oxide, bbls., wks., lb. .02¼- —
paper bags., c.l., works ....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12½- —
2, bbls., same basis..lb. .11½- —
3, bbls., same basis..lb. .10½- —
4, bbls., same basis..lb. .09 - —
5, bbls., same basis..lb. .09 - —
6, bbls., same basis..lb. .08½- —
7, bbls., same basis..lb. .08¼- —
8, bbls., same basis..lb. .08 - —
9, bbls., same basis..lb. .07½- —
10, bbls., same basis..lb. .07½- —
11, bbls., same basis..lb. .07 - —
12, bbls., same basis..lb. .06½- —
13, bbls., same basis..lb. .06¼- —
14, bbls., same basis..lb. .06¾- —

Brown—Crotonaldehyde

Brown, Sienna, raw, American, bbls., f.o.b. works..lb. .02¾- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .12¾- —
2, bbls., same basis...lb. .11¼- —
3, bbls., same basis...lb. .12¾- —
4, bbls., same basis...lb. .09¾- —
5, bbls., same basis...lb. .09¼- —
6, bbls., same basis...lb. .08¾- —
7, bbls., same basis...lb. .09 - —
8, bbls., same basis...lb. .07½- —
9, bbls., same basis...lb. .07 - —
10 bbls., same basis...lb. .06¼- —
11, bbls., same basis...lb. .05¼- —
Umber, American, bbls., works, lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehme, Easton, Pa., N. Y.....lb. .04¼- —
St. Louis.....lb. .04¾- —
ex car Los Angles...lb. .05 - —
ex whse., Los Angeles, Portland, San Francisco, Seattle..lb. .05½- —
Boston .....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .05 - —
ex whse., Kansas City..lb. .05½- —
Los Angeles, Portland, San Francisco, Seattle .....lb. .04¾- —
Minneapolis .....lb. .0510- —
Pittsburgh .....lb. .04¾- —
Vandyke, bbls., l.c.l.....lb. No prices
Walnut crystals, bbls.....lb. .06½- —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .15 - .16
Buchu leaves, bls.....lb. .75 - .80
Buckthorn bark, true, bls.....lb. .20 - .22
cut and sifted, bbls.....lb. .28 - .30
Berries, bgs.....lb. .25 - .30
Burdock root, bls.....lb. .14 - .15
Burgundy pitch, dom., dms...lb. .05½- .06
Butane, coml., 16-34°, tanks, group 3..gal. .02½- .03
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks., lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10¼- —
tanks, frt. alld.....lb. .09 - —
tankwagons, frt. alld.....lb. .09½- —
contract prices 1c. per gal., less secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .07½- —
dms., l.c.l., same terms.lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Crotonate, normal, 55-gal. dms., dlvd..lb. .35 - —
5-gal. cns.....lb. .75 - —
1-gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .28½- —
Butyric ether, bots.....gal. 6.60 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.56 - —
single jars.....lb. 1.61 - —
5-lb. bots.....lb. 1.75 - —
Iodide, 5-lb. bots.....lb. 4.19 - —
25-lb. cns.....lb. 4.05 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .85 - —
ingots or sticks.....lb. .80 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs. or more..lb. 2.20 - —
2,000 lbs. or more.....lb. 2.25 - —
1,000 lbs. or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
25-lb. dms., 10,000 lbs. or more..lb. 2.23 - —
2,000 lbs. or more.....lb. 2.28 - —
1,000 lbs. or more.....lb. 2.33 - —
100 lbs.....lb. 2.43 - —
25 lbs.....lb. 2.55 - —
10-lb. cans, 10,000 lbs. or more..lb. 2.25 - —
2,000 lbs. or more.....lb. 2.30 - —
1,000 lbs. or more.....lb. 2.35 - —
100 lbs.....lb. 2.40 - —
less than 100 lbs.....lb. 2.75 - —
5-lb. cans, 25 lbs. or more..lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns.....lb. 1.80 - 2.10
Hydrobromine, bots.....lb. 4.91 - 4.99
Calabar beans, bgs.....lb. .27 - .28
Calamus root, peeled, N.F., cs., lb. .28 - .30
bleached, bls.....lb. 1.25 Nom.
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l., E. of Rockies...lb. .06 - .06¾
l.c.l. .....lb. .07 - .07¼
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms., c.l., dlvd.....lb. 4.75 - —
l.c.l., f.o.b. warehouse....lb. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-88%, bgs., dms., c.l., dlvd..ton.22.00 -35.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd..ton.20.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.60 - 2.20
Gluconate, USP, gran., powd., 125-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .23 - —
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports..ton.29.00 - —
Calcium, Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f., Atlantic ports, shipt...unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton, lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20½- —
l.c.l., 1 ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS., bgs., c.l., works..ton.46.00 - —
80%, CaS., bgs., c.l., wks.ton.51.00 - —
luminous, dom., tins works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls., 200 lbs., lb. .47 - .48
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .35 - .40
Calomel, bbls., fib., dms., kgs., 50 lbs. or more..lb. 2.45 - —
Camphor, natural, powd., cs..lb. .83 - .84
slabs, cs.....lb. .83 - .84
tablets, tins.....lb. .88 - .89
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .35 - —
smaller lots, works...lb. .40 - —
USP, or import., gran. powd., bbls., 2,000-lb. lots..lb. .55 - —
1,000-lb. lots.....lb. .56 - —
smaller lots.....lb. .57 - —
tablets, 2,000-lb. lots....lb. .68 - —
1,000-lb. lots.....lb. .69 - —
smaller lots.....lb. .70 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentina, bgs..lb. .03½- .04
Morocco, bgs.....lb. .03½- .04
Turkish, bgs.....lb. .03½- .04
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. .90 - .95
powd., bxs.....lb. 1.10 - 1.15
Russian, cs.....lb. 2.25 - 2.30
powd., bxs.....lb. 2.50 - 2.55
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs.....lb. .12½- .13
Russian, bgs.....lb. .12 - .12½
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller quantities, works...lb. .85 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Carbinol, butyl, norm., dms., lb. .60 - —
Dimethylethyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works.....lb. .34 - —
tanks, works.....lb. .32 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R...lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07¼
l.c.l., same basis.....lb. .08 - .08¼
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .66½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .96 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. adll.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.25 - 1.35
decorticated, cs.....lb. .95 - .98
green, bgs.....lb. .78 - .80
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk...lb. .15 - .16
Case-hardening mixture, 30%, lump, dms., l.c.l...lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .10½- .11
5 tons, works.....lb. .12 - .12½
smaller lots, works.....lb. .16½- .17
80-100 mesh, bgs.....lb. .11 - .11½
5 tons, works.....lb. .12½- .13
smaller lots, works.....lb. .17 - .17½
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .10½- .11
80-100 mesh, bgs., c.l., duty paid..lb. .11 - .11½
French, 30 mesh, bgs., c.l., duty paid..lb. .16 - —
New Zealand, 20-30 mesh, c.l., bgs., duty paid...lb. .14 Nom.
Cassia, Batavia, No. 1, bls....lb. .16½- .17
shortstick, bls.....lb. .13¾- .14¼
broken, bls.....lb. .12 - .12½
China, rolls, select, bls.....lb. .10 - .10½
broken, extra, bls.....lb. .09¾- .10¼
Saigon, bls.....lb. .16½- .17
Cassia buds, cs.....lb. .13 - .13½
Cassia fistula, bskts.....lb. .13 - .14
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, f.o.b. shipt. ports..ton.95.00 -98.00
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.17.50 - —
import, bgs., c.l.f. ports, shipment..ton.20.00 - —
Celery seed, French, bgs.....lb. .19½- .20
Indian, bgs.....lb. .12¾- .13¼
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .33 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
Cellulose, acetate-butyrate, high (20-40% butyrl content), smaller pkg, works..lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
acetate-propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld.....lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld.lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
triacetate, flake, frt. alld., lb. .33 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .35 - .40
Roman, bls.....lb. .45 - .50
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.32.40 - —
Colo. .....ton.29.00 - —
Conn., Me., Mass., N. H., R. I., Vt., ton.32.80 - —
Ill. (except river point), Minn., Neb., Wis., ton.27.00 - —
Indiana .....ton.28.00 - —
Mo., Okla., Tex. (except El Paso).....ton.25.00 - —
c.l., dlvd., Kansas, El Paso, Tex..ton.26.00 - —
Michigan .....ton.29.80 - —
Ohio .....ton.29.80 - —
Penn. .....ton.31.80 - —
Utah .....ton.66.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02½- —
l.c.l., bbls., works.....lb. .02¾- —
tanks, works.....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.26.00 Nom.
powd., cks., l.c.l., ex dock, ton.39.00 Nom.
ex whse.....ton.42.00 Nom.
Chloral hydrate, bots., 1,000 lbs., lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, standard, c.l., bgs., works..lb. .32 - —
75 lbs., bgs.....lb. .35 - —
smaller lots, bgs.....lb. .38 - —
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05¼- —
contracts, dlvd., N. Y..lb. .05¼- —
l.c.l., dlvd., N. Y.....lb. .07¼- —
tanks, single unit, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt. equald..100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.15 - —
1, works, frt. equald., 100 lbs. 2.60 - —
Chloracetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, com'l, 180-lb. cyls., works..lb. .80 - —
100-lb. cyls., works.....lb. .85 - —
5-25-lb. cyls., works.....lb. 1.00 - 1.15
Chrome acetate, powd., 24%, bbls., dlvd..lb. .13½- —
solut., 8½%, cs., bbls.....lb. .05¾- —
Cake, bulk, c.l., works.....ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .70 - .75
20 in., thick, cs.....lb. .70 - .75
20 in., medium, cs.....lb. .30 - .35
USP, broken quill, red, bgs., lb. .27 - .28
yellow, bgs.....lb. .27 - .28
Cinchonidine, crys., small cns., 100 ozs..oz. .86 - —
large, cns.....100 ozs..oz. .90 - —
powd., cns.....100 ozs..oz. .83 - —
Sulphate, N.F., cns.100 ozs..oz. .50 - —

Cinchonidine buyers must pay a surcharge of 4c. per oz., to cover present war risk insurance, higher ocean freight rates, and additional expenses ove the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, crys., small, cns., 100 ozs..oz. .58 - —
large, cns.....100 ozs..oz. .62 - —
powd., cns.....100 ozs..oz. .54 - —
Sulphate, N.F., cns.100 ozs..oz. .38 - —

Cinchonine buyers must pay a surcharge of 4c. per oz., to cover present war risk insurance, higher ocean fright rates and other expenses ove the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 5-lb. bxs., lb. 3.90 - —
1 lb., bots.....lb. 3.42 - —
100 lbs., dms.....lb. 3.15 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2 bls.....lb. .18½- .19
3 bls.....lb. .18 - .18½
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine ointment, jars, tubes..lb. .92 - 1.14
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.60 - 1.85
Clove, Amboyna, bgs.....lb. .25 - .26
Madagascar, bls.....lb. .17½- .17¾
Zanzibar, bls.....lb. .16¾- .17¼
Clover tops, bgs.....lb. .30 - .35
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .71 - —
Carbonate, powd., bgs., works, lb. 1.38 - —
Chloride, kgs., wks.....lb. .76 - .80
Hydrate, bbls.....lb. 1.78 - —
Linoleate, paste, 5%, dms....lb. .81 - —
solid, 8½% bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13½- —
1%, bbls.....lb. .13 - —
2%, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs...lb. .13 - .13¼
Cocillana bark, bgs.....lb. .40 - .45
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., 4 ozs.....oz.18.00 - —
single, ozs.....oz.19.00 - —
Colchicum seed, bgs.....lb. .35 - .37
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs..lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .55 - .56
Colombo root, bls.....lb. .15 - .16
Coltsfoot leaves, bgs.....lb. .15 - .16
Condurango bark, bgs.....lb. .12 - .13
Conium leaves, bls.....lb. .30 - .32
Copaiba balsam, Para, cns....lb. .30 - .33
S. A., USP, cns.....lb. .36 - .37
Copper acetate, normal, bbls., dlvd..lb. .22 - —
smaller containers, dlvd..lb. .24 - —
Carbonate, 52-54%, bbls.....lb. .16½- —
Chloride, cryst., bbls.....lb. .18 Nom.
Cyanide, tech., bbls.....lb. .34 Nom.
Iodide, bots.....lb. 5.15 - 5.19
Metal, electrolytic.....lb. .11½- —
Nitrate, cryst., bbls.....lb. .17 Nom.
Oleate, precip. ,bbls.....lb. .20 - —
Oxide, black, 79-80%, bbls., tons, works..lb. .18¾ Nom.
Red, com'l., 80-88%, kgs., f.o.b. N.Y..lb. .20 Nom.
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .24½- .25½
Sulphate, 99% cryst., bbls. c.l., f.o.b. works..100 lbs. 4.60 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.75 - —
6-15 bbls., same basis, 100 lbs. 4.95 - —
1-5 bbls., same basis, 100 lbs. 5.20 - —
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 9.15 - 9.35
l.c.l. dealers.....100 lbs.10.15 -10.35
Copperas, cryst., gran., bgs., c.l., works..ton.18.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
5-24, works.....100 lbs. 1.65 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, shipt.....lb. .0185- —
Coriander seed, Morocco, bgs..lb. .04¼- .04⅝
bleached, bgs.....lb. .06¾- .07¼
Corn sugar, Tanner's chipped, bgs., c.l., dlvd..100 lbs. 3.09 - —
slabs, bbls., c.l.....100 lbs. 3.01 - —
solid, bbls., c.l.....100 lbs. 3.13 - —
Syrup, 42°, bbls., c.l....100 lbs. 3.12 - —
43°, bbls., c.l.....100 lbs. 3.17 - —
Cornsilk, bls.....lb. .14 - .15
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.04 - —
gran., powd., dms., 50 lbs. or more..lb. 1.89 - —
Cottonroot bark, bls.....lb. .11 - .12
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd., unit-ton. 1.10 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp, bark, genuine, bls.....lb. .23 - .24
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .16 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .28¼- —
smaller lots, bbls.....lb. .28¾- —
kgs. .....lb. .29¼- —
Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Oil, crude, tanks, works...gal. .13½- .14¼
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works..gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works..lb. .09¾- —
l.c.l., same basis.....lb. .10¼- —
special resin grade, dms., c.l., works..lb. .08¾- —
l.c.l., same basis.....lb. .09¼- —
Crotonaldehyde, 97%, 55 and 110 gal. c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works..lb. .15 - —

Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .24 - .25
2,000 lbs. to 10,000 lbs..lb. .25 - .26
1,000 lbs. to 2,000 lbs..lb. .26 - .27
200 lbs. to 1,000 lbs.....lb. .27 - .28
4% rotenone prices are 4c. per lb. less.
Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

Cubeb berries, XX, bgs.....lb. .42 - .44
powd., cs.....lb. .47 - .48
Culver's root, bls.....lb. .16 - .17
Cumin seed, Malta, bgs.....lb. No stocks
Morocco, bgs.....lb. .17¼ - .17¾
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04½ - —
Cyanamide, 22% N_2, pulv., bgs., dlvd., contracts, N_2 unit-ton. No prices
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾ - —
lump, dms.....lb. .09¾ - —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., works, frt. alld. E. of Rockies...lb. .25 - —
Cyclohexanol, 98-100%, dms., works, frt. alld. E. of Rockies...lb. .30 - —
Cyclohexanone, 98-100%, dms., works, frt. alld. E. of Rockies..lb. .58 - —

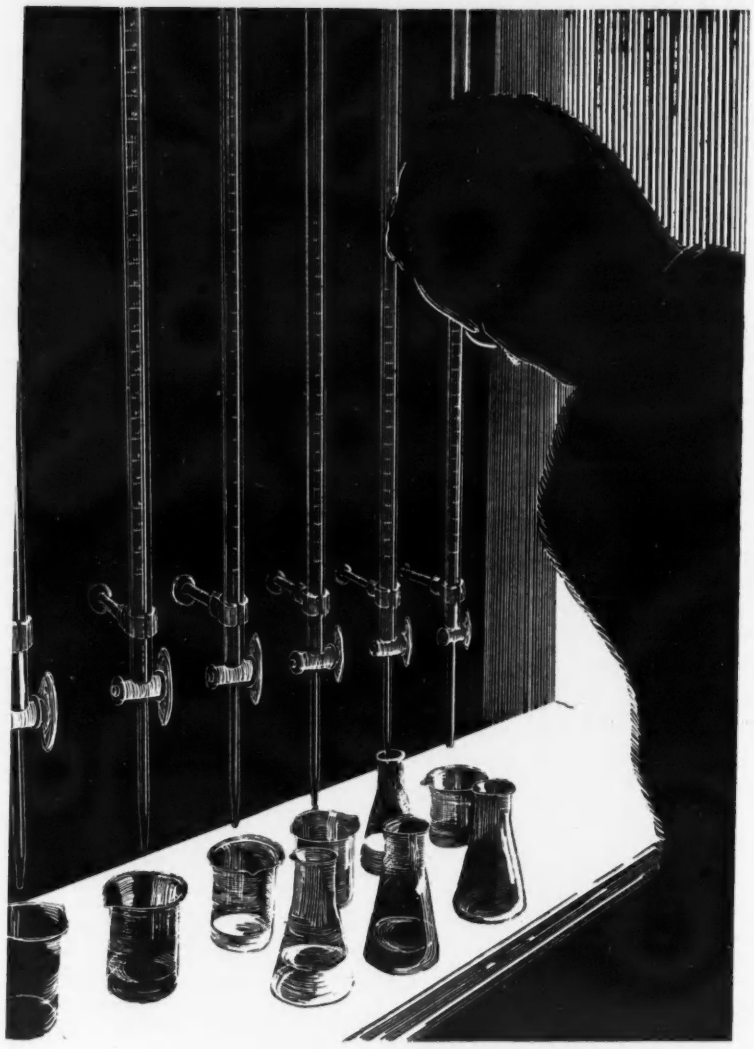
D

Damiana leaves, bls.....lb. .24 - .29
Dandelion root, German, bls...lb. .42 - .45
Deertongue leaves, bls.....lb. .14 - .15
Degras, common, dom., bbls...lb. .09 - .10
English, bbls.....lb. .09 - .10
neutral, dom., bbls.....lb. .15 - .18
English, bbls.....lb. .15 - .16
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .28
2,000 lbs. to 10,000 lbs...lb. .26 - .30
1,000 lbs. to 2,000 lbs.....lb. .28 - .32
200 lbs. to 1,000 lbs.....lb. .30 - .34
4% rotenone prices are 6c. per lb. less.
Derris root, powd., contracts give no protection against decline in price. Part deliveries against contracts are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

Derris, extract, 25% rotenone, bulk, cns..lb. 4.00 - 5.00
16% rotenone, bulk, cns.....lb. 2.25 - 2.35
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 3.75 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.85 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.50 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.70 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.45 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.65 - —
Potato, import, bgs.....lb. .07¾ Nom.
Diacetone (see under Alcohol).
Diacetyl, bots.....lb. 10.00 -11.00
Diamyl ether, dms., c.l., works, lb. .055 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd.....lb. .21½ - —
tanks, dlvd.....lb. .20 - —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .48 - .50
tanks, works.....lb. .45 - —
Diamylene, dms., c.l., works...lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l.....lb. .20 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton. 22.00 -35.00
l.c.l., ex whse.....ton. 45.00 -150.00
import, bgs., c.l., c.i.f.....ton. 23.00 Nom.
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l.....lb. .51 - .53
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19¼ - —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23¼ - .25½
Sebacate, dms., works.....lb. .45 - —
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0221 - —
l.c.l.....lb. .04 - —
tanks.....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½ - —
l.c.l., works.....lb. .24½ - —
tanks, works.....lb. .22½ - —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethyl carbonate, coml., dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l., frt. alld. lb. .19 - —
l.c.l.....lb. .19½ - —
tanks.....lb. .18 - —
Sulphate, dms., c.l., works...lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks.....lb. .12 - —
Diethylaniline, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .14½ - —
l.c.l., works.....lb. .15½ - —
Monobutylether, dms., works..lb. .22½ - .24½
Monoethylether, dms., c.l., works..lb. .14½ - —
l.c.l., works.....lb. .15½ - —
tanks, works.....lb. .13½ - —
Digitalis leaves, dms.....lb. .35 - .40
Diglycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .08½ - .09
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½ - —
l.c.l., dlvd.....lb. .19 - —
tanks, dlvd.....lb. .17¼ - —
Dimethylaniliin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Dimethylethyl carbinol (see Carbinol)
Dinitrobenzene, bbls., 80° min., lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½ - —
oily, dms.....lb. .09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks.....gal. .41 - —
dest. dist., dms.....gal. .45 - .48
tanks.....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls.....lb. .31 Nom.
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Dimethylethyl carbinol (see Carbinol).
Doggrass root, cut, bls.....lb. .18 - .19
Dogwood bark, Jamaica, bls., lb. .08 - .10
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .70
reeds, thin, cs.....lb. 1.05 - 1.10
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns..lb. 13.50 - —
FD&C blue, No. 2, cns.....lb. 13.50 - —
FD&C green, No. 2, cns....lb. 17.50 - —
FD&C green, No. 3, cns....lb. 27.50 - —
Green, FD&C green, No. 1, cns, lb. 13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 3 cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb. 17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4 ,cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Black, D&C black, No. 1, lb. 8.35 - —
Blue, D&C blue, No. 6....lb. 13.50 - —
Brown, D&C brown, No. 1, cns. lb. 12.35 - —
Dyes, coaltar (certified colors) for drugs and cosmetics:—
Green, D&C green, No. 5, cns. lb. 12.35 - —
D&C green, No. 6, cns.....lb. 12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns...lb. 15.35 - —
D&C orange, No. 10, cns..lb. 15.85 - —
D&C orange, No. 11, cns...lb. 17.35 - —

Cube Root—Dyes

Dyes, coaltar (certified colors), for drugs and cosmetics:—
Red, D&C red, No. 5.....lb. 6.00 - —
D&C, red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb. 18.35 - —
D&C red, No. 19, cns.....lb. 15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb. 13.35 - —
D&C red, No. 37, cns.....lb. 12.35 - —
Yellow, D&C yellow, No. 7, cns. lb. 8.35 - —
D&C yellow, No. 3, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb. 10.35 - —
Dyes, coaltar (certified colors) for external use drugs and cosmetics:—
Blue, Ext.D&C blue, No. 1, cns..lb. 12.35 - —
Green, Ext.D&C, green, No. 1. cns..lb. 12.35 - —
Red, Ext. D&C, red, No. 1, cns..lb. 10.35 - —
Ext.D&C, red, No. 3.....lb. 21.35 - —
Ext.D&C, red, No. 8....lb. 7.85 - —
Ext.D&C, red, No. 10, cns.. lb. 12.35 - —
Ext.D&C, red, No. 11, cns. lb. 12.35 - —
Ext.D&C, red, No. 13, cns.. lb. 12.35 - —
Yellow, Ext.D&C, yellow, No. 1., cns..lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G.....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
58 Victoria violet.....lb. .80 - 1.00



GUARDING EVERY STEP

Harshaw guards the quality of driers, (1), by selecting only the most suitable raw materials, (2), by scientific control and analysis of the intermediate steps in their production, and, (3), by final analysis of the finished drier . . . . This carefully controlled processing is the reason Harshaw driers are always uniform and dependable. Specify Harshaw Uversols (naphthenates), linoleates, oleates, soyates, resinates, pastes, stearates, and palmitates.

THE HARSHAW CHEMICAL CO.

Offices and Laboratories: Cleveland, Ohio
QUALITY PRODUCTS SINCE 1892
New York, Philadelphia, Chicago, Detroit, Pittsburgh, Cincinnati, East Liverpool, Los Angeles, San Francisco
Works at Cleveland and Elyria, Ohio and Philadelphia, Pa.

Dyes—Gum, Copal

Dyes, coaltar, for general uses (numbers are uses of Colour Index scale)—

165	Lake red C	lb.	.80	- .95
176	Fast red A	lb.	.56	- .60
180	Fast red VR	lb.	1.50	- 1.60
189	Lake red R, paste	lb.	.85	- .90
189	Lake red R, powd	lb.	3.00	- 3.10
202	Chrome blue black U	lb.	.32	- .40
204	Chrome black A	lb.	1.75	- 2.00
208	Fast red blue R	lb.	1.75	- 2.00
216	Chrome red B	lb.	.60	- .80
262	Cloth red 2B	lb.	.90	- 1.00
289	Fast cyanin 5R	lb.	.90	- 1.00
299	Chrome black F	lb.	.60	- .65
307	Fast cyanin black B	lb.	.80	- .85
326	Direct cast scarlet	lb.	2.00	- 2.25
304	Paper yellow	lb.	.83	- .90
365	Chrysophenin G	lb.	.58	- .70
394	Direct violet N	lb.	1.25	- 1.35
382	Direct scarlet B	lb.	1.50	- 1.75
387	Direct violet B	lb.	1.00	- 1.30
401	Developed black BHN	lb.	.45	- .60
406	Direct blue 2B	lb.	.25	- .30
415	Direct orange R	lb.	.60	- .70
419	Direct fast red F	lb.	.75	- .85
420	Direct brown M	lb.	1.00	- 1.10
448	Benzo purpurin 4B	lb.	.40	- .42
495	Benzo purpurin 10B	lb.	.40	- .50
502	Direct azurin G	lb.	.75	- .80
512	Direct blue RD	lb.	.80	- 1.00
518	Direct pure blue 6B	lb.	1.10	- 1.25
520	Direct pure blue	lb.	.50	- 1.00
529	Direct fast, black, FF	lb.	.55	- 1.00
581	Direct black EW	lb.	.25	- .50
582	Direct black RX	lb.	.35	- .45
593	Direct green B	lb.	.75	- .80
594	Direct green G	lb.	1.00	- 1.05
596	Direct brown 3GO	lb.	.35	- 1.00
620	Direct yellow R	lb.	1.25	- 1.50
608	Acid violet	lb.	1.00	- 3.00
812	Primulin	lb.	.50	- .52
814	Direct fast yellow	lb.	2.00	- 2.25
845	Nigrosin (water soluble)	lb.	.35	- .50
1177	Indigo, 20 p. c. paste	lb.	.15	- .18
	Benzo fast black L	lb.	.90	- 1.00
	Sulphur black	lb.	.20	- .25
	Sulphur blue	lb.	.40	- 1.00
	Sulphur brown	lb.	.25	- .50
	Sulphur maroon	lb.	.40	- —
	Sulphur olive	lb.	.25	- .54
	Sulphur tan	lb.	.30	- .50
	Sulphur yellow	lb.	.30	- .50
	Zambesi black	lb.	.75	- .80

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).

Black:—				
865	Nigrosin derivatives	lb.	.38	- .62
Blue:—				
1075	Alizarin astrol base	lb.	15.00	- —
1078	Alizarin cyanin green base	lb.	6.00	- —
Browns:—				
	Brown	lb.	1.15	- —
Green:—				
1078	Alizarin cyanin green	lb.	5.00	- —
	Green	lb.	.75	- —
Orange:—				
24	Sudan I	lb.	.75	- —
	Orange, red shade	lb.	.75	- —
Red:—				
75	Sudan II	lb.	1.05	- —
258	Sudan IV	lb.	.95	- —
749	Rhodamine B (oil pink)	lb.	2.50	- -
1080	Anthraquinone violet base	lb.	6.00	- —
680	Oil violet	lb.	.50	- —
Yellow:—				
15	Amidoazobenzene yellow	lb.	.90	- -
17	Amidoazotoluene yellow	lb.	.75	- -
61	Yellow OB	lb.	1.40	- —

Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).

Black:—				
864	Nigrosin	lb.	.38	- .44
Blue:—				
860	Indulin	lb.	.60	- .70
Brown:—				
331	Bismarck brown	lb.	1.50	- —
Green:—				
637	Malachite green base	lb.	2.00	- —
Orange:—				
20	Chrysoidin G	lb.	.95	- —
21	Chrysoidin R	lb.	.95	- —
Red:—				
677	Fuchsin, magenta base	lb.	7.25	- —
749	Rhodamine B	lb.	4.75	- —
Yellow:—				
67	Amidoazotoluene yellow	lb.	.75	- —
553	Auramine	lb.	2.00	- —
800	Chinolin yellow SS	lb.	2.00	- —
Violet:—				
680	Methyl violet base	lb.	.90	- —

Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).

Black:—				
246	Naphthol blue black S	lb.	.50	- —
873	Methylene gray	lb.	1.50	- —
Blue:—				
714	Patent blue A	lb.	1.45	- —
729	Victoria blue B	lb.	2.00	- —
861	Indulin	lb.	.87	- —
909	New blue R	lb.	1.30	- —
922	Methylene blue	lb.	1.00	- —
1054	Alizarin saphirol B	lb.	1.90	- —
1180	Indigotin IA	lb.	.85	- —
Brown:—				
234	Resorcin brown Y	lb.	.65	- —
235	Resorcin dark brown R	lb.	.66	- —
231	Bismarck brown G	lb.	.40	- .52
332	Bismarck brown R	lb.	.40	- .52
798	Phosphin	lb.	4.65	- —
Green:—				
5	Naphthol green B	lb.	1.00	- —
657	Malachite green	lb.	1.35	- —
662	Brilliant green	lb.	2.00	- —
666	Guinea green B	lb.	1.15	- —
737	Wool green S	lb.	.58	- —
924	Methylene green B	lb.	1.55	- —
1078	Alizarin cyanin green	lb.	2.35	- —
Orange:—				
10	Chrysoidin G	lb.	.40	- —
21	Chrysoidin R	lb.	.37	- —
27	Orange G	lb.	.50	- —
151	Orange X	lb.	.30	- —
161	Krange R	lb.	.34	- —
31	Amidonaphthol red G	lb.	.42	- —
37	Amidonaphthol red 6B	lb.	.68	- —
79	Popceau R	lb.	.48	- —
88	Fast red B	lb.	1.05	- —
176	Fast red A	lb.	.54	- —
179	Azorubin	lb.	.60	- .62
183	Crocein scarlet 3BX	lb.	.72	- .75
185	Cochineal red A	lb.	.60	- —
252	Brilliant crocein M	lb.	.68	- —
677	Fuchsin	lb.	2.10	- —
749	Rhodamine B	lb.	3.50	- —
752	Rhodamine 6G	lb.	4.50	- —
768	Eosin G	lb.	1.50	- —
841	Safranin	lb.	1.45	- —

Dyes, coaltar, for stains, oil soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).

Violet:—				
680	Methyl violet B	lb.	.75	- —
681	Crystal violet C	lb.	1.75	- —
695	Acid violet 4BN	lb.	.88	- —
Yellow:—				
10	Naphthol yellow S	lb.	.88	- —
158	Metanil yellow	lb.	.53	- —
636	Fast light yellow	lb.	1.25	- —
639	Xylene light yellow	lb.	1.15	- —
640	Tartrazin	lb.	.80	- —
655	Auramine	lb.	1.27	- —

Dyes, natural (see name of article).

E

Echinacea root, bls	lb.	.18	-	.19
Egg albumen (see Albumen).				
yolk, dom., bbls	lb.	.57	-	.59
imported	lb.	.55	-	.58
Elder flowers, bright, bls	lb.	.40	-	.45
Elecampane root, bls	lb.	.10	-	.11
Elm bark, grinding, bls	lb.	.11	-	.12
powd., bbls., bxs	lb.	.20	-	.21
select, bndls	lb.	.19	-	.21
Emetine hydrochloride, bots	oz.	19.00	-	19.50
Ephedra, bls	lb.	.12	-	.13
Ephedrine, tins, 1,000 ozs	oz.	1.50	-	—
tins, 100 ozs	oz.	1.60	-	—
Hydrochloride, tins, 1,000-oz. lots	oz.	1.25	-	—
tins, 100-oz. lots	oz.	1.35	-	—
Sulphate, cryst., tins, 1,000-oz. lots	oz.	1.25	-	—
tins, 100-oz. lots	oz.	1.35	-	—
Epsom salt, tech., bgs	100 lbs.	1.80	-	—
bbls	100 lbs.	1.90	-	—
USP, cryst., dom., bgs., c.l., 100 lbs.		2.00	-	—
l.c.l., 5,000 lbs. 1 withdrawal	100 lbs.	2.25	-	—
smaller lots	100 lbs.	2.50	-	—
bbls., c.l	100 lbs.	2.10	-	—
l.c.l., 5,000 lbs. 1 withdrawal	100 lbs.	2.35	-	—
smaller lots	100 lbs.	2.60	-	—
kgs., c.l	100 lbs.	2.35	-	—
l.c.l., 5,000 lbs. 1 withdrawal	100 lbs.	2.60	-	—
smaller lots	100 lbs.	2.85	-	—
dried, dom., bgs., l.c.l	lb.	.08	-	.09
Ergot, USP, cns., dms	lb.	3.85	-	4.00
Eserine, bots	oz.	42.00	-	—
salicylate, bots	oz.	36.00	-	—
Sulphate, bots	oz.	36.00	-	—
Ether, acetic (see Ethyl acetate).				
Butyl, l.c.l., dlvd	lb.	.25	-	—
Ethyl (see Ether, sulphuric).				
Nitrous, conc., bots., 100 lbs.,	lb.	.65	-	—
Sulphuric, conc., dms., 120 lbs.	lb.	.09	-	—
cns., 27 lbs	lb.	.14	-	—
synth., dms., c.l., works	lb.	.06	-	—
l.c.l., works	lb.	.09	-	—
USP, anesthesia, dms., 27 lbs.,	lb.	.26	-	—
USP, 1880, dms	lb.	.39	-	.40
washed, dms	lb.	.37	-	.38
Ethyl acetate, 85-90%, dms., c.l., frt. alld	lb.	.075	-	—
l.c.l., frt. alld	lb.	.08	-	—
tanks, frt. alld	lb.	.065	-	—
95-98%, dms., c.l., frt alld	lb.	.0775	-	—
l.c.l., frt. alld	lb.	.0825	-	—
tanks, frt. alld	lb.	.0675	-	—
USP, XI, dms., 400 lbs	lb.	.09	-	—
cns., 35 lbs	lb.	.13	-	—
Acetoacetate, dms., c.l., wks	lb.	.27½	-	—
l.c.l., dms., works	lb.	.28	-	—
Bromide, tech., dms	lb.	.50	-	.55
Caproate, cns	lb.	1.00	-	—
Chloride dms	lb.	.18	-	.20
Cinnamate, cns	lb.	3.20	-	4.00
Crotonate, 55 gal. dms., dlvd.,	lb.	.35	-	—
Formate, cns., dms	lb.	.23	-	.24
5 and 10 gal. dms., dlvd	lb.	.75	-	—
1 gal. cns	lb.	1.00	-	—
Iodide, bots	lb.	3.50	-	3.65
Lactate, 55-gal. dms., works,	lb.	.33½	-	—
5-gal. dms., works	lb.	.37½	-	.39½
Oxalate, dms., frt. alld	lb.	.28	-	—
Silicate, l.c.l., dms., works	lb.	.77	-	—
Vanillin, 25-lb. lots, cns	lb.	6.00	-	—
5-lb. lots	lb.	6.05	-	—
1-lb. lots, cns	lb.	6.15	-	—
Ethylcellulose, contracts, bgs., c.l., frt. alld	lb.	.45	-	—
contracts, 500 lbs. or more, frt. alld	lb.	.47	-	—
500 lbs. or more, frt. alld	lb.	.48	-	—
100 to 499 lbs., frt. alld	lb.	.50	-	—
smaller lots, works	lb.	.55	-	—
Ethylene bromide, dms	lb.	.65	-	.70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld	lb.	.0595-		—
West of Rockies, same basis—lb.		.0644-		—
l.c.l., works, E. of Rockies, frt. alld	lb.	.0694-		—
West of Rockies, same basis	lb.	.0743-		—
Ethyleneglycol, dms., c.l	lb.	.14½	-	—
l.c.l	lb.	.15½	-	.18½
tanks	lb.	.13½	-	—
Monobutylether, dms., c.l., works,	lb.	.16½	-	—
l.c.l., works	lb.	.17½	-	.20½
tanks, works	lb.	.15½	-	—
Monoethylether, dms., c.l., works,	lb.	.14½	-	—
l.c.l., works	lb.	.15½	-	.18½
tanks, works	lb.	.13½	-	—
Monoethylether, acetate, dms., c.l., works	lb.	.11½	-	—
l.c.l., dms	lb.	.12½	-	.15½
tanks, works	lb.	.10½	-	—
Monomethylether, dms., c.l., works	lb.	.15½	-	—
l.c.l., works	lb.	.16½	-	—
tanks, works	lb.	.14½	-	—
Ethylidinanilin, dms	lb.	.45	-	.47½
Eucalyptol, cns., dms	lb.	.75	-	.80
Eucalyptus leaves, bls	lb.	.12	-	.13
Eugenol, cns., dms	lb.	2.25	-	2.30
Euphorbia, bls	lb.	.12	-	.13

F

Feldspar, enamel, 100 mesh, bulk, works	ton.	14.00		-17.50
l.c.l., minimum 2 tons	ton.	17.00		-20.50
glass, 20 mesh, bulk, works	ton.	9.75		-13.25
l.c.l., minimum 2 tons	ton.	12.75		-16.25
pottery, bulk, Me., works	ton.	17.00		-19.00
N.C., works	ton.	17.00		-19.00
l.c.l., minimum 2 tons	ton.	20.00		-22.00
Fennel seed, Indian, bgs	lb.	.13¼	-	.13¾
French, bgs	lb.	.13¼	-	.13¾
German, large, bgs	lb.	.83	-	.84
Fenugreek seed, bgs	lb.	.05½	-	.06
Ferric, sulphate, anhyd., c.l., works	ton.	35.00	-	—
l.c.l.	ton.	40.00	-	—
Film scrap, colors, dark, cs., 1,000 lbs., or over, works	lb.	.12½	-	—
smaller lots, works	lb.	.13½	-	—
Film scrap, colors, light, cs., 1,000 lbs. or over, works	lb.	.13½	-	—
smaller lots, works	lb.	.14½	-	—
water white, cs., 1,000 lbs. or over, works	lb.	.14½	-	—
smaller lots, works	lb.	.15½	-	—
Fir balsam, Canada, cns	gal.	12.75		-13.00
Oregon, bbls	gal.	1.10	-	1.15
Fish berries, bgs	lb.	.15	-	.17
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures	unit-ton.	4.25		Nom.
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto	ton.	59.00	-	—
wet, acidulated, 6-7% ammon., 3% phosphor, acid, bulk, So. Atlantic factories, contracts	unit-ton.	3.00	&	.50
sardine, meal, Japanese, 11¼% ammon., bgs., c.i.f. ports, March shipt	ton.	52.00	-	—
spot	ton.	52.00	-	—
Flake, white, bbls., kgs	lb.	.10¼	-	—
Fleaseed, French, black, bgs	lb.	.18½	-	.19
Indian, blonde, bgs	lb.	.08½	-	.09
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net	ton.	32.60	-	—
washed gravel, 85.5 f.o.b. Ky.-Ill.-Ky. mines	net ton.	21.00	-	—
No. 2, lump, 85.5 f.o.b. Ky. and Ill., mines	net ton.	21.00	-	—
imported, 85.5, duty paid, short ton.		25.00		Nom.
Formaldehyde, bbls., c.l., works,	lb.	.05¾	-	—
l.c.l., works	lb.	.06¼	-	—
dms., c.l., works	lb.	.05¼	-	—
l.c.l., works	lb.	.05¾	-	—
tanks, works	lb.	.04½	-	—
Fringetree bark, bls	lb.	.14	-	.15
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines	ton.	10.00	-	—
import, bgs., c.l., ex dock	ton.	25.00		Nom.
l.c.l., ex whse	ton.	32.00		Nom.
Furfural, refd., dms., c.l., works,	lb.	.15	-	—
l.c.l., works	lb.	.17½	-	.25
tech., dms., contracts, 150,000 lbs.	lb.	.10	-	—
c.l., works	lb.	.12½	-	—
l.c.l., works	lb.	.15	-	.20
tanks, works	lb.	.09	-	—
Fusel oil, refd., dms., incl., dlvd.,	lb.	.16	-	.17½
Fustic extract, cryst., bbls	lb.	.24	-	.25
liquid, bbls	lb.	.10½	-	.14
solid, dms	lb.	.19	-	.21

G

G salt, bbls	lb.	.45	-	—
Galangal root, bls	lb.	.11	-	.12
Gambier, common, cases	lb.	.07		Nom.
plantation, cases	lb.	.10		Nom.
Cubes, Singapore, cases	lb.	.10		Nom.
extract, bbls.	lb.	.09½	-	.12
Gasoline, at refinery:—				
Bayonne, US motor, below 65 octane, tanks	gal.	.06½	-	.0780
65 octane and above, tanks,	gal.	.06¾	-	.0735
California, 54-58, tanks	gal.	.06½	-	.08
Gulf Coast, U. S. Motor, bulk,	gal.	.05½	-	—
60-62, 390 e.p., bulk, export,	gal.	.05½	-	—
63-67, 375 e.p., bulk, export,	gal.	.05½	-	—
70-72, 400 e.p., bulk, export,	gal.	.06	-	—
Louisiana-Arkansas, US motor, 62 octane, tanks	gal.	.04	-	.04¼
63-66 octane, tanks	gal.	.04¼	-	.04½
67-69 octane, tanks	gal.	.04½	-	.04¾
70-72 octane, tanks	gal.	.04¾	-	.05¼
Oklahoma-Texas, US motor, 62 octane and below, tanks,	gal.	.03	-	.03¾
third grade, tanks	gal.	.03	-	.03¾
63-66 octane, tanks	gal.	.03¼	-	.04
67-69 octane, tanks	gal.	.03½	-	.04¼
70-72 octane, tanks	gal.	.03¾	-	.04½
U.S. Motor, 18-lb. v.p., tanks	gal.	.05¼	-	.05¼
22-lb. v.p., tanks	gal.	.04¾	-	—
26-70 lb. v.p., tanks	gal.	.04	-	.04¼
below 60 octane, tanks	gal.	.05	-	—
65 octane, tanks	gal.	.07	-	—
52-54 450 e.p., naphtha, tanks	gal.	.05½	-	—
natural, 12-lb. v.p., tanks,	gal.	.02½	-	.02⅝
14-lb. v.p., tanks	gal.	.01⅝	-	.02
Gelatin, silver, cs	lb.	.42	-	.43
Gelsemium root, bls	lb.	.14	-	.15
Gentian root, bls	lb.	.14	-	.15
grd., bbls., bxs	lb.	.16	-	.17
powd., bbls., bxs	lb.	.17	-	.18
Geraniol, cns., dms	lb.	.60		3.00
Geranyl acetate, bots., dms	lb.	1.20	-	2.50
Ginger root, African, bgs	lb.	.08¼	-	.08⅝
Cochin, leman, bgs	lb.	.09½		Nom.
Jamaica, bold, bgs	lb.	.12	-	.13
grinding, bright, bgs	lb.	.09½	-	.10
medium, bgs	lb.	.09⅝	-	.10¼
Japanese, bgs	lb.	.08¾	-	.09¼
Ginseng root, wild, Southern, cs.,	lb.	12.00		-13.00
Glauber's salt, anhyd. (see Soda Sulphate).				
cryst., dom., bgs., bbls., c.l., works	100 lbs.	.95	-	1.18
5 tons or over, works	100 lbs.	1.05	-	1.25
less than 5 tons, works,	100 lbs.	1.15	-	1.35
import, bgs	100 lbs.	No prices		
Glue, bone, calcimine type, 24 millipoise, 30 jelly-grams, bgs., c.l., dlvd	lb.	.13½	-	—
l.c.l., dlvd	lb.	.14	-	—
36/58, bgs., c.l., dlvd	lb.	.13	-	—
l.c.l., dlvd	lb.	.13½	-	—
58/82, bgs., c.l., dlvd	lb.	.14½	-	—
l.c.l., dlvd	lb.	.15	-	—
82/108, bgs., c.l., dlvd	lb.	.15	-	—
l.c.l., dlvd	lb.	.15½	-	—
hide, calcimine type, 58 millipoise, 135 jelly-grams, bgs., c.l., dlvd., East, Middlewest	lb.	.15	-	—
l.c.l., same basis	lb.	.15½	-	—
60/164, bgs., c.l., same basis,	lb.	.16½	-	—
l.c.l., same basis	lb.	.17	-	—
67/122, bgs., c.l., same basis,	lb.	.17½	-	—
l.c.l., same basis	lb.	.18	-	—
75/222, bgs., c.l., same basis,	lb.	.18½	-	—
l.c.l., same basis	lb.	.19½	-	—
88/251, bgs., c.l., same basis,	lb.	.19½	-	—
l.c.l., same basis	lb.	.20½	-	—
92/283, bgs., c.l., same basis,	lb.	.20½	-	—
l.c.l., same basis	lb.	.21½	-	—
102/315, bgs., c.l., same basis,	lb.	.21	-	—
l.c.l., same basis	lb.	.22	-	—
Glue, hide, calcimine type, 113/347, bgs., c.l., same basis,	lb.	.22	-	—
l.c.l., same basis	lb.	.23	-	—
125/379, bgs., c.l., same basis,	lb.	.23	-	—
l.c.l., same basis	lb.	.24	-	—

Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.

Glycerin, CP., cns., l.c.l	lb.	.14½	-	.15
dms., c.l., dlvd	lb.	.12½	-	—
l.c.l., dlvd	lb.	.13	-	—
tanks, dlvd	lb.	.12¼	-	—
dynamite, dms	lb.	Nominal		
high gravity, dms., c.l., dlvd	lb.	.12	-	—
l.c.l., dlvd	lb.	.12½	-	—
tanks, dlvd	lb.	.11¾	-	—
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd	lb.	.13		Nom.
l.c.l., same basis	lb.	.14		Nom.
tanks	lb.	.12		Nom.
for refiners, dms., returnable, tanks, dlvd	lb.	.08¾	-	.09
soaplye, basis 80%, dms., tanks, returnable, dlvd	lb.	.07¾	-	.08¼
Glycine, medicinal, bbls., tins	lb.	1.70	-	2.00
Glycol boriborate, dms	lb.	.22	-	—
Phthalate, dms	lb.	.38	-	—
Stearate, dms	lb.	.36	-	—
Gold, U.S. purchase price	oz.	35.00	-	—
Chloride, acid brown, bots	oz.	20.75		-21.00
yellow, bots	oz.	18.75		-19.00
Gold-soda chloride, photo., bots.,	oz.	13.00	-	—
USP IX, bots	oz.	14.50		-14.75
Gold of pleasure, seed, bgs	lb.	.12½	-	.13
Goldenseal, root, bls	lb.	3.85	-	4.00
powd., bxs	lb.	4.10	-	4.25
Grains of paradise, bgs	lb.	.38	-	.39
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon., bgs., c.l., works	lb.	.06	-	—
bbls., c.l., works	lb.	.06¼	-	—
l.c.l., works	lb.	.06¼	-	—
amorph., powd., 90%, 325 mesh, 85% graphitic carbon, bgs., c.l., works	lb.	.02½	-	—
85% graphitic, carbon, bbls., c.l., works	lb.	.02¾	-	—
l.c.l., works	lb.	.03¼	-	—
80% graphitic, carbon, bgs., c.l., works	lb.	.03½	-	—
bbls., c.l., works	lb.	.03¾	-	—
l.c.l., works	lb.	.04¼	-	—
Grease, house, loose	lb.	.04¾	-	.05
White	lb.	.05¾	-	.05½
Yellow	lb.	.05	-	.05½

Wool (see Adeps lanae and Degras).

Green, chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	.21	-	—
6-10%, bbls., same basis	lb.	.22	-	—
11-15%, bbls., same basis	lb.	.23	-	—
16-20%, bbls., same basis	lb.	.23½	-	—
21-25%, bbls., same basis	lb.	.24	-	—
26-30%, bbls., same basis	lb.	.24½	-	—
31-35%, bbls., same basis	lb.	.25½	-	—
36-40%, bbls., same basis	lb.	.27	-	—
41-45%, bbls., same basis	lb.	.28½	-	—
46-50%, bbls., same basis	lb.	.30	-	—

Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

reduced, CP, color content up to 5%, same basis	lb.	.09	-	—
9-10%, bbls., same basis	lb.	.06¾	-	—
11-13%, bbls., same basis	lb.	.07¼	-	—
14-16%, bbls., same basis	lb.	.07½	-	—
17-19%, bbls., same basis	lb.	.07¾	-	—
20-21%, bbls., same basis	lb.	.08	-	—
22-23%, bbls., same basis	lb.	.08¼	-	—
24-25%, bbls., same basis	lb.	.08½	-	—
26-27%, bbls., same basis	lb.	.08¾	-	—
28-29%, bbls., same basis	lb.	.09¼	-	—
30-31%, bbls., same basis	lb.	.10	-	—
32-33%, bbls., same basis	lb.	.11¼	-	—
34-35%, bbls., same basis	lb.	.12¼	-	—
36-40%, bbls., same basis	lb.	.14¼	-	—
41-45%, bbls., same basis	lb.	.16¼	-	—
46-50%, bbls., same basis	lb.	.16¾	-	—
51-55%, bbls., same basis	lb.	.17¼	-	—
56-60%, bbls., same basis	lb.	.17¾	-	—
61-65%, bbls., same basis	lb.	.18¼	-	—
66-70%, bbls., same basis	lb.	.19¼	-	—
71-75%, bbls., same basis	lb.	.20¼	-	—
Oxide, dom., pure, bbls	lb.	.26	-	—
ceramic, light shades, bbls., c.l., works	lb.	.25	-	—
l.c.l., works	lb.	.30	-	—
standard grade, bbls., works	lb.	.21	-	.22
Tetrahydroxide, bbls	lb.	.88	-	—

Paris (see P).

Tungstated, brilliant, kgs	lb.	3.50	-	—
emerald, kgs	lb.	2.85	-	—

Verdigris (see V).

Green dyes are listed under Dyes.

Grindelia robusta, bls	lb.	.09	-	.10
Guaiac resin, cs	lb.	.30	-	.35
strained, cs	lb.	.80	-	.85
Wood, bls	lb.	.04	-	.05
Guaiacol, liq., djns	lb.	1.65	-	1.91
Carbonate, fb., dms., 25 lbs	lb.	2.40	-	2.74
Guarana powd., cs	lb.	1.10	-	1.13
Gum, aloe (see A).				
Ammoniac, tears, cs	lb.	.85	-	.90
Arabic, amber, sorts, cleaned, bgs	lb.	.12¼	-	.12¾
white, sorts, 1, bgs	lb.	.33	-	.35
2, bgs	lb.	.32	-	.34
powd., bbls	lb.	.16¼	-	.16¾
Asafetida (see A).				
Asphaltum (see A).				
Benzoin, Siam, cs	lb.	1.40	-	1.60
Sumatra, cs	lb.	.22	-	.23
Camphor (see C).				
Chicle, prime, 33% moisture, bgs., ton lots	lb.	.34	-	.35
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran	lb.	.49½	-	—

Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.

Copal, Congo, cloudy, white, bgs., c.l., same basis	lb.	.29½	-	—
3, selected pale straw bold, bgs., c.l., same basis	lb.	.24½	-	—
4, pale bold straw, bgs., c.l., same basis	lb.	.24	-	—
5, pale straw bold, bgs., c.l., same basis	lb.	.22½	-	—
6, pale amber bold, bgs., c.l., same basis	lb.	.21½	-	—
7, pale straw bold, bgs., c.l., same basis	lb.	17	-	—
8, light amber bold, bgs., c.l., same basis	lb.	.17	-	—
9, medium light amber bold, bgs., c.l., same basis	lb.	.13⅞	-	—

Gum, copal, Congo, 10, rescraped hard amber, bold, bgs., c.l., same basis....lb. .13⅝- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .11⅝- —
12, selected bold sorts, bgs., c.l., same basis..lb. .10⅝- —
13, dark sorts bold, bgs., c.l., same basis..lb. .08½- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23⅝- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10⅝- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .17⅜- —
18, pale straw nubs, bgs., c.l., same basis..lb. .17½- —
19, pale straw nubs, bgs., c.l., same basis..lb. .16⅜- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .11⅝- —
21, ordinary selected nubs, c.l., same basis..lb. .10⅝- —
22, small mixed nubs, bgs., c.l., same basis..lb. .09⅜- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .10½- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¾- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis..lb. .09½- —
26, pale bld chips, bgs., c.l., same basis..lb. .10 - —
27, pale small nubs, bgs., c.l., same basis..lb. .09½- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —
Batu, bold, scraped, bgs., c.l., same basis..lb. .07¼- —
unscraped, bgs., c.l., same basis..lb. .06⅜- —
chips, bgs., c.l., same basis..lb. .05¾- —
dust, bgs., c.l., same basis, lb. .05½- —
nubs and chips, bgs., c.l., same basis..lb. .05¾- —
black, bold, scraped, bgs., c.l., same basis..lb. .11 - —
unscraped, bgs., c.l., same basis..lb. .07¼- —
nubs and chips, bgs., c.l., same basis..lb. .07 - —
Hiroe, Macassar, pale bold, bgs., c.l., same basis..lb. .15⅝- —
chips, bgs., c.l., same basis, lb. .08½- —
dust, bgs., c.l., same basis..lb. .05½- —
nubs, bgs., c.l., same basis..lb. .12½- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .16 - —
chips, bgs.,c.l., same basis, lb. .08⅜- —
dust, bgs., c.l., same basis, lb. .05½- —
nubs, bgs., c.l., same basis, lb. .12⅜- —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .14½- —
light, bskts., c.l., same basis..lb. .16⅜- —
Loba A, bskts., c.l., same basis..lb. .16 - —
B, bskts., c.l., same basis, lb. .15⅜- —
C, bskts., c.l., same basis, lb. .15½- —
CNE, bskts., c.l., same basis..lb. .12⅜- —
D, bskts., c.l., same basis, lb. .13⅜- —
DK, bskts.,c.l., same basis, lb. .11⅞- —
dust, bskts., c.l., same basis..lb. .07¼- —
Sambas and white split chips, bskts., c.l., same basis..lb. .17½- —
Singapore, dust., bskts., c.l., same basis..lb. .07¼- —
spirit - soluble, CBB, bskts., basis..lb. .13⅜- —
DBB, bskts., c.l., same basis..lb. .12⅜- —
MA, bskts., c.l., same basis, lb. .10⅜- —
MB, bskts., c.l., same basis, lb. .10½- —
WS, bskts., c.l., same basis.lb. .12⅜- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .11½- —
chips, pale, bskts., c.l., same basis..lb. .14½- —
pale, small, bskts., c.l., same basis..lb. .12½- —
extra pale sorts, bskts., c.l., same basis..lb. .13½- —
nubs, bskts., c.l., same basis..lb. .15¼- —
pale, scraped, bskts., c.l., same basis..lb. .15⅞- —
seeds and dust., bskts., c.l., same basis..lb. .09⅜- —
Pontianak, bold, genuine, bgs., same basis..lb. .16⅜- —
mixed, bgs., c.l., same basis, lb. .16⅜- —
split, bgs., c.l., same basis, lb. .16¼- —
chips, bgs., c.l., same basis, lb. .09½- —
nubs, bgs., c.l., same basis, lb. .12 - —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .22¾- —
A/D, cs., c.l., same basis..lb. .14½- —
A/E, cs., c.l., same basis..lb. .13⅜- —
B, cs., c.l., same basis....lb. .21½- —
C, cs., c.l., same basis....lb. .15¼- —
D, cs., c.l., same basis....lb. .13¾- —
dust, cs., c.l., same basis..lb. .08⅜- —
E, cs., c.l., same basis....lb. .10⅜- —
F, cs., c.l., same basis....lb. .08¾- —
Singapore 1, cs., c.l., same basis..lb. .18⅝- —
basis..lb. .18½- —
2, cs., c.l., same basis....lb. .13¾- —
chips, cs., c.l., same basis.lb. .12½- —
dust., cs., c.l., same basis, lb. .07⅞- —
seeds, cs., c.l., same basis, lb. .10½- —
Elemi, cns., c.l., same basis as copal..lb. .10½- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del., and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs.. lb. .06¼- .06⅝
less than 10,000 lbs., same basis lb. .06½- .07
Western N. Y., and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight c.l., lb. .06¾- .07
dlvd., elsewhere, 75,000 lbs., contrs. or straight, c.l..lb. .07 - .07¼
l.c.l., same basis.....lb. .07¼- .07⅝

Gum, Euphorbium, cs.....lb. .50 - .55
Galbanum, cs. .....lb. 1.50 - 1.60
Gamboge, pipe, cs.....lb. .70 - .75
powd., bbls. .....lb. .75 - .80
Gnatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls. bxs., dms....lb. .14 - .33
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80% chips, cs., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis...lb. .41 - —
2, cs., c.l., same basis...lb. .24 - —
3, cs., c.l., same basis...lb. .17¾- —
Kino, tins.....lb. 4.00 - 4.50
Locust bean, powd., bbls....lb. Nominal
Mastic, cs., c.l., same basis as copal..lb. .85 - .90
Myrrh, USP, cs.....lb. .60 - .65
Olibanum, siftings, cs.....lb. .08 - .12
Tears, cs.....lb. .15 - .25
Opium (see O).
Rosin (see R).
Sandarac, cks., c.l., same basis as copal..lb. .37 Nom.
Scammony, cs.....lb. 1.10 - 1.15
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.15.00 -16.25
Tragacanth, Alleppo, 1, cs...lb. 2.65 - 2.70
2, cs.....lb. 2.55 - 2.60
3, cs.....lb. 2.45 - 2.50
flake, bgs.....lb. No prices
Yacca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kans., frt. equaled..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.65 - —
Southard, Okla., frt. equal. ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Acme, Tex., frt. equald.ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.14.00 - —
f.o.b. Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
stucco, paper bags, c.l., f.o.b. Acme Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.....ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock.....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .28 - .30
Heliotropin, cryst., cns.....lb. 3.00 - 3.20
Hellebore root, white, powd., bbls. lb. .16 - .17
Helonias root, bls.....lb. .55 - .60
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03¾- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .03 - —
Hempseed, Manchur, bgs.....lb. .06½- .07⅛
Henbane, leaves, bls.....lb. .60 - .70
Henna leaves, bls.....lb. .16 - .18
powd., bbls., bxs.....lb. .18 - .20
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
Normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexalin, dms.....lb. .80 - —
Hexane, normal, 60-70°C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l. Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N. Y. C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms, 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Homatropine hydrobromide, bots., 25 ozs..oz.13.00 -13.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 2.50 - 2.75
Hops, N. F., bls.....lb. .20 - .21
Horehound, bls.....lb. .12 - .13
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Hydrochloride, bots., 4 ozs..oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.19.00 - —
cns., 16 ozs.....oz.18.75 - —
Hydrastinine, 15 gr., bots....bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls..lb. 100 vols., cbys., E. of Miss. River..lb. .03¾- .04
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.55.00 -72.00
Hydrochloride, bots.....oz.59.00 -60.00
Hyoscyamine, 5 gr., bots.....bot. .60 - —
Hydrobromide, 5 gr., bots..bot. .60 - —
Sulphate, 5 gr., bots.....bot. .60 - —
Hypernic, ext. liquid, 51°, bbls., lb. .14 - —

I

Iceland moss, bls.....lb. .18 - .20
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).

Iodine, crude, jars, 25 lbs.....lb. 1.30 - —
kgs., 150 lbs., less 5%.....lb. 1.21 - —
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
tincture, USP, bbls., 47 gals.gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars .....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.50 - 2.55
alpha, extra, bots.....lb. 4.00 - 4.05
alpha beta, bots.....lb. 2.25 - 2.30
beta, bots.....lb. 4.10 - 4.15
Ipecac root, bgs.....lb. 1.25 - 1.30
powd., bxs.....lb. 1.40 - 1.45
Irish moss, ordinary, bls.....lb. .15 - .16
powd., 80-90 mesh, bbls..lb. .30 - .32
prime, bleached, bls.....lb. .28 - .30
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd.....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech. ,anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., works, frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
USP solut., cbys., works, frt. alld. or equald..lb. .06½- .07
djns.....lb. .07½- —
USP VIII, pearls.....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, djns.....lb. .39 - —
bots. .....lb. .53 - —
Nitrate, coml., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, 200-lb. bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-lb. kgs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs....lb. .30 - —
fib. dms.....lb. .23½- —
kgs. .....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs. .....lb. .25½- —
Isobutylacetate, 55-gal. dms., works..lb. .069 - —
tanks, works.....lb. .059 - —
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isophorone, dms., works.....lb. .35 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .10 - —
55 gals., c.l., E. of Rockies, frt. alld..lb. .065 - —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .07 - —
tanks, E. of Rockies, frt. alld..lb. .055 - —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld., gal. .35 - —
55 gal., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gal., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .13
Jalap root, NF, bls.....lb. .36 - .37
powd., bbls., bxs.....lb. .40 - .41
resin, lump, cns.....lb. 3.70 - —
powd., bxs.....lb. 3.75 - —
Juniper berries, bgs.....lb. .12 - .13

K

Kamala, tins.....lb. .42 - .43
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0560- —
Gulf ports, p.w., bulk.....gal. .07⅜- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04 - .04⅛
Oklahoma-Texas, 41-43 w.w., tanks..gal. .03¾- .04¼
42-44 w.w., tanks.....gal. .03⅞- .04⅜
Pennsylvania, 45 w.w., tanks, gal. .04⅝- .04⅞
46 w.w., tanks.....gal. .04⅞- .05
47 w.w., tanks.....gal. .04⅞- .05⅛
Kerosene, tankwagon:—
Atlanta .....gal. .12 - —
Boston .....gal. .08¼- —
Chicago .....gal. .10 - —
Cincinnati .....gal. .13 - —
Denver .....gal. .11½- —
Louisville .....gal. .10 - —
Minneapolis .....gal. .104 - —
New Orleans.....gal. .11 - —
New York.....gal. .09 - —
San Francisco.....gal. .11¼- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No Prices
Kola nuts, bgs.....lb. .12 - .13

Gums, Copal—Lecithin

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 6.25 - 6.50
Middlewestern, trcs....100 lbs. 6.45 - 6.50
Neutral, trcs.....100 lbs. 7.00 - 7.25
Western, choice, trcs..100 lbs. 6.50 - 6.60
Compound, trcs.....100 lbs. 9.50 - 9.75
Larkspur seed, bgs.....lb. .90 - 1.00
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .05¼- .05⅜
Lavender flowers, ordinary, bls.lb. .40 - .45
medium, bls.....lb. .45 - .50
select, bls.....lb. .55 - .60
Lead acetate, white, broken, bbls. lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11⅜- —
powd., bbls.....lb. .11⅝- —
Arsenate, bgs., c.l.....lb. .08½- .11
l.c.l., bgs., c.l.....lb. .09½- .11½
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .06¼- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06¼- —
l.c.l., dlvd. E.....lb. .06½- —
l.c.l., dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib. dms., 25 lbs.....lb. .40 - —
Iodide, NF V, powd., 5 lb. bots..lb. 2.66 - —
jars .....lb. 2.55 - —
Linoleate, pale, precip., dms.lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lbs. cont., f.o.b. works..lb. .19 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash...lb. .08 - —
other points.....lb. .07¾- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash. .....lb. .09 - —
Colo., Mont., N. Mex., Wyo..lb. .08¾- —
other points.....lb. .08¼- —
smaller lots, Ala., etc.lb. .09 - —
Ariz., etc.....lb. .09½- —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¾- —
'97%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc., lb. .08¼- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
smaller lots, dlvd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
other points.....lb. .09 - —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc.lb. .08¾- —
other points.....lb. .08¼- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09½- —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¾- —
smaller lots, dlvd., Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09½- —
In oil, 95% min., 100-lb. kgs., lb. .12⅛- —
Resinate, fused 15%, bbls....lb. .09½- —
pale, bbls.....lb. .11½- —
precip., bbls.....lb. .16½- —
Stearate, bbls.....lb. .26 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bbls., c.l. (20 tons), works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10¼- —
Pac. Cst., ex whse....lb. .10¼- —
smaller lots, E. frt. alld., lb. .10½- —
Pac. Cst., ex whse....lb. .10⅝- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¼- —
other points.....lb. .07 - —
l.c.l., dlvd., Ariz., etc.lb. .07¼- —
other points.....lb. .07¼- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06½- —
other points.....lb. .06¾- —
l.c.l., dlvd., Ariz., etc. lb. .06¾- —
other points.....lb. .06¼- —
in oil, 100-lb. kgs., consumers, lb. .12⅜- —
dealers .....lb. .10⅜- —
painters .....lb. .11⅜- —
Consumers' price and painters' price are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b. N. Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .63 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55

Lecithin—Manganese Dioxide

Lecithin, tech., grades 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis..lb. .40 - —
l.c.l., same basis.....lb. .42½- .60

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms., prices are 1c. per lb. less.

Lemon peel, bls.....lb. .13 - .15
Licorice extract, mass., cs.....lb. .18 - .19
powd., bbls.....lb. .24 - .25
root, cuttings, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .11 - .12
select, bndls., cs.....lb. .27 - .30
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Marblehead, Ohio....ton. 7.50 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bags, f.o.b.
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bags, f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —

Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .15
Zone 3, tanks, dealers, dlvd., gal. .11½- —
30-50 dms.....gal. .14 - .18
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal..gal. .12 - —
Zone 5, tanks, dealers, dlvd, gal. .10½- —
dms. .....gal. .12 - —
Zone 6, tanks, dealers....gal. .08½- —
30-50 dms.....gal. .11 - .15

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States, Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn. west of Tenn. River; Penn, eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N.Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 2.10 - 3.30
Linalyl acetate, cns.....lb. 2.00 - 3.00
Linden flowers, with leaves, bls.lb. .32 - .35
without leaves, bls.....lb. .30 - .33
Linseed cake, bags, export...ton.27.00 -27.50
meal, 34%, bgs.....ton.36.00 - —
Litharge, com'l, powd., bbls., 20-tons dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .07 - —
dlvd., other points....lb. .06¾- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore., and Wash..lb. .07½- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08 - —
Colo., Mont., N. Mex., Wyo..lb. .07¾- —
other points.....lb. .07¼- —
Litharge, com'l, powd., bbls., smaller lots, dlvd., Ala., lb. .08 - —
Ariz., etc.....lb. .08½- —
Colo., etc.....lb. .08¼- —
Other points.....lb. .07¾- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05 - —
smaller lots.....lb. .05¼- —
bbls., c.l. (20 tons).....lb. .05¼- —
smaller lots.....lb. .05½- —
ordinary, bgs., c.l. (20 tons).lb. .0360- —
smaller lots.....lb. .0385- —
bbls., c.l. (20 tons).....lb. .0385- —
smaller lots.....lb. .04¼- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort leaves, bls.....lb. .50 - .51
Lobelia, herb, bls.....lb. .13 - .14
Seed, bgs.....lb. .85 - .86
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10½- .12¼
solid, bxs.....lb. .16½- .20¼
Lovage root, dom., bls.....lb. .55 - .56
imports, bls.....lb. .45 - .60
Lupulin, N. E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.00 - 4.10

M

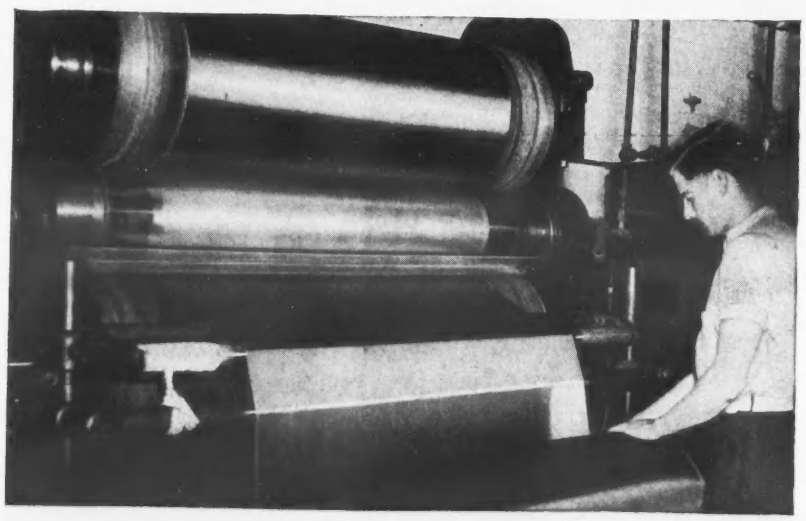
Mace, Banda, cs.....lb. .58 - .60
Batavia, cs.....lb. .31 - .32
Siauw, cs.....lb. .46 - .47
Madder, Dutch, bbls.....lb. .22 - .23
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06¼- —
l.c.l. .....lb. .07 - —
2, bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - —
kgs., c.l.....lb. .08¾- —
l.c.l. .....lb. .09¼- —
USP, Zone 1, bbls., c.l.....lb. .08¼- —
l.c.l. .....lb. .09 - —
kgs., c.l.....lb. .09¾- —
l.c.l. .....lb. .10½- —

Magnesia:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del. and Md. C.l., shipments, full fr't alld. up to, but not exceeding, 25c. per 100 lbs., actually paid by customers. On l.c.l. shipments, fr't alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting House. Zone 2—Balance of U. S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Chloride, anhy., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., ton.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Magnesia, hypophosphite, cns., 100 lbs..lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11¼
Stearate, bbls., ctns., c.l.....lb. .24 - —
1 ton.....lb. .25 - —
1,000-2,000 lbs.....lb. .26 - —
smaller lots.....lb. .27 - —
Sulphate (see Epsom salt).
Magnesite, cal., dom., bgs....ton.62.00 -66.00
Import, bgs., duty paid...ton.62.00 -66.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots..lb. .58 - —
100-lb. lots.....lb. .55 - —
cns. .....lb. .75 - .80
Malva flowers, black, bls.....lb. .45 - .50
blue, bls.....lb. .45 - .50
Leaves, bls.....lb. .19 - .20
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .08½ Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.69.00 - —
5-15 tons, works.....ton.72.00 - —
½ 4 tons, works....ton.77.00 - —

Life ON THE CHEMICAL NEWSFRONT

(*Above*) **MOVIE MAGIC** outdoes real-life chemists by materializing Loretta Young in this giant retort. A flight of fancy—but not too far-fetched—for workers at Columbia University School of Medicine report the human body is more like a "chemical vat" than the fuel-burning engine to which it is so frequently compared—with food merely entering into the complicated chemical reactions that are constantly going on within the system.



(*Above*) **SOUTHERN PINE NEWSPRINT** came a commercial fact on February when all editions of a Texas newspa were printed on newsprint derived fr this wood. It marked the full realizat of the work of the late Charles H. Her who first developed the process. Ph shows scene in a new mill at Lufkin, Te for making newsprint from Southern pi

(*Left*) **BETTER TEXTILE FINISHING** is pro ised by Cyanamid's new AERO Catam No. 1—a cation-active softener w many advantages over anion types. Si most textile fibres in an aqueous bath become negatively charged, the active cat is substantive, and is attracted to fabric. Softener will exhaust from the ba far smaller quantities are needed; soft ing effect will withstand repeated wa ings. AERO Catamine No. 1 can be u on cotton, wool, rayon, silk, mixed fabr Write for further information.

Manganese, dioxide, Caucasian, 85-90%, bbls. c.l, works,	ton.	66.50	—
l.c.l., 5 tons, works	ton.	69.50	—
smaller lots, works	ton.	74.50	—
burlap bgs., c.l., works	ton.	64.25	—
l.c.l., 5 tons, works	ton.	67.25	—
smaller lots, works	ton.	72.25	—
paper bgs., c.l., works	ton.	62.50	—
l.c.l., 5 tons, works	ton.	65.50	—
Glycerophosphate, bbls., kgs., 1,000-lb. lots	lb.	2.80	—
smaller lots	lb.	3.00	—
cns., 25 lbs.	lb.	3.12	—
Hydrate, bbls., dlvd.	lb.	.82	—
Iodide, bots., 5 lbs.	lb.	5.55	—
jars, 25 lbs.	lb.	5.70	—
Linoleate, liquid, 4%, dms.	lb.	.18	- .19½
solid, precip., 8.2%, bbls.	lb.	.19	—
Ore, Cuban, 51-52%, basis Atl. ports	unit-ton.	.50	—
Resinate, fused, 3½%, bbls.	lb.	.08¼-	.08½
precip., dms.	lb.	.12	—
Sulphate, anhyd., ton lots, works	lb.	.08	- .08½
single bbls., works	lb.	.08¼-	.08¾
fertilizer, 65%, $MnSO_4$, bgs., c.l., dlvd., South	ton.	52.00	—
l.c.l., bgs.	ton.	59.00	-73.25
Mangrove bark, bgs., shipt	ton.	32.50	—
Manna flake, large, cs.	lb.	.70	- .73
small, cs.	lb.	.50	- .55
Mannitol, com'l grade, 99% pure, ton lots, works	lb.	.42	—
250 lbs., bbls., works	lb.	.50	—
reagent grade, 25-lb. tins, 100-lb. lots, works	lb.	.95	—
50-lb. lots, works	lb.	1.00	—
Marble flour, bgs.	ton.	12.00	-14.00
Marjoram, French, bls.	lb.	.26	- .27
Tunisan, bls.	lb.	.26	Nom.
Chilean, bls.	lb.	.20½-	.21
Matico leaves, bls.	lb.	.30	- .32
Menthol, USP, natural, cs.	lb.	3.60	—
synthetic, tech., cs.	lb.	2.50	—
USP, cs.	lb.	3.25	—
liquid, dms., 50 lbs.	lb.	1.50	—
Menthyl salicylate, tins, 100-lb. lots	lb.	3.00	—
25-lb. lots	lb.	3.10	—
Mercurial ointment, 30%, pails, 50 lbs.	lb.	1.24	—
25 lbs.	lb.	1.26	—
50%, pails, 50 lbs.	lb.	1.79	—
25 lbs.	lb.	1.81	—
Mercury (see Quicksilver)			
Ammoniated (see white precipitate).			
Bichloride (see Corrosive sublimate).			
Bisulphate, bots., 5 lbs.	lb.	2.62	- 2.64
fib., dms., 100 lbs.	lb.	2.49	—
jars, 25 lbs.	lb.	2.51	—
Chloride (see Calomel).			
Iodide, red, N.F., bots., 5 lbs.,	lb.	4.56	—
cns., 25 lbs.	lb.	4.45	—
fib. dms., 100 lbs.	lb.	4.45	—
yellow, bots., 5 lbs.	lb.	4.66	—
fib. dms., 100 lbs.	lb.	4.55	—
Nitrate ointment (see Citrine ointment).			
Oxide, red, N.F., (see Red precipitate).			
tech. (see Red, mercury oxide).			
Mercury oxide, yellow, dom., tech., bbls.	lb.	2.26	—
USP, fib., dms., 50 lbs. or more	lb.	2.78	—
Mercury and chalk, ctns., 5 lbs.,	lb.	1.72	—
fib., dms., 25 lbs.	lb.	1.60	- 1.65
Mesityl oxide, cns., works	lb.	.20½-	.22½
dms., c.l., dlvd.	lb.	.16	—
l.c.l., dlvd.	lb.	.16½-	—
tanks, dlvd.	lb.	.15	—
Metal leaf, pkgs., of 20 books (500 leaves), aluminum, 5½x5½ in.	pkg.	1.50	- 1.75
composition, 5½x5½ in.	pkg.	1.70	- 1.80
gold, XX deep, 23K, 3⅜x3⅜ in.	pkg.	15.25	-15.75
3⅜x3⅜ in.	pkg.	16.15	-17.50
4x4 in.	pkg.	19.50	-20.00
3⅜x5 7/7 in.	pkg.	22.50	-23.00
3⅜x5 7/7 in.	pkg.	24.50	-25.00
Silver, 3¼x3¾ in.	pkg.	2.75	- 2.85
Metanitroparatoluidin, bbls.	lb.	1.30	—
Metaphenylenediamine, kgs.	lb.	.65	—
Metatoluylenediamine, kgs.	lb.	.65	—
Methanol, natural, denat., grade, tanks	gal.	.40	—
97%, tanks.	gal.	.32	—
95%, tanks.	gal.	.31	—

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

Manganese—Mica

Methanol, synth., pure, dms., c.l., Zone 1, frt. alld.	gal.	.38	—
2, frt. alld.	gal.	.41	—
3, frt. alld.	gal.	.42	—
4, frt. alld.	gal.	.44	—
l.c.l., Zone 1, frt. alld. or dlvd.	gal.	.40½-	—
2, frt. alld. or dlvd.	gal.	.47	—
3, frt. alld. or dlvd.	gal.	.44½-	—
4, frt. alld. or dlvd.	gal.	.60	—
tanks, Zone 1, frt. alld.	gal.	.33	—
2, frt. alld.	gal.	.35½-	—
3, frt. alld.	gal.	.36½-	—
4, frt. alld.	gal.	.37	—

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn. Mo. N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt Va W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3 Los Angeles, Cal.; San Francisco, Cal.; Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R.	lb.	.10½-	—
W. of Miss. R.	lb.	.11½-	—
l.c.l., dms., dlvd. E. of Miss. R.	lb.	.11	—
W. of Miss. R.	lb.	.12	—
tanks, dlvd., E. of Miss. R.	lb.	.09½-	—
W. of Miss. R.	lb.	.10½-	—
tech., dms., c.l., dlvd., E. of Miss. R.	lb.	.07	—
W. of Miss. R.	lb.	.08	—
l.c.l., dlvd., E. of Miss. R.	lb.	.07½-	—
W. of Miss. R.	lb.	.08½-	—
tanks, dlvd. E. of Miss. R.	lb.	.06	—
W. of Miss. R.	lb.	.07	—
Acetoacetate, dms., c.l., works, frt. alld.	lb.	.29½-	—
Acetone, natural, dms., c.l.	gal.	.41	- .47
l.c.l.	gal.	.44	- .63
tanks	gal.	.35	- .39

Methyl acetone prices are frt. alld., east of Rocky Mts. Prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Synthetic, dms., c.l., E. of Rockies	gal.	.44	—
W. of Rockies	gal.	.39½-	—
l.c.l., E. of Rockies	gal.	.44	—
W. of Rockies	gal.	.48	—
tanks, E. of Rockies	gal.	.36	—
W. of Rockies	gal.	.39½-	—
Alcohol (see Methanol).			
Anthranilate, bots.	lb.	2.10	- 2.25
Benzoate, cns., 25 lbs.	lb.	.70	- 1.00
Bromide, cyl.	lb.	.65	- .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders	lb.	.32	—
service men and consumers, cyl.	lb.	.36	—
60 to 499 lbs., cyl., mach. mfrs. and jobbers	lb.	.36	—
service men and consumers, cyl.	lb.	.40	—
tanks, multi-unit, mach. mfrs. and jobbers	lb.	.31	—
service men and consumers,	lb.	.35	—

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

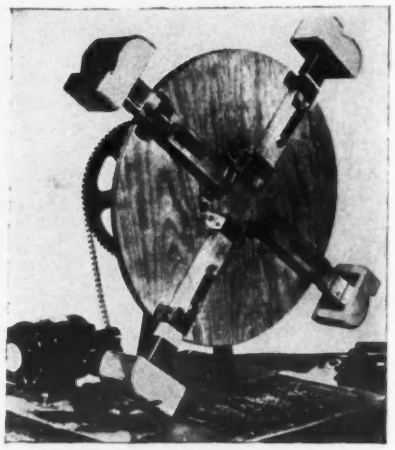
Methyl, cinnamate, bls.	lb.	1.75	- 2.00
Formate, dms.	lb.	.80	—
Lactate, dms., l.c.l., dlvd.	lb.	.80	—
Iodide, bots.	lb.	3.63	- 3.82
Salicylate, dms.	lb.	.35	- .37
cns.	lb.	.37	- .40
Violet toner, bbls.	lb.	.88	—
permanent, bbls.	lb.	.80	—
Methylamyl ketone, dms., works, l.c.l.	lb.	.25	—
smaller containers, same basis,	lb.	.28	—
Methylcellulose, dms., 100 lbs. or more, frt. alld.	lb.	.70	—
less than 100 lbs., works	lb.	.75	—
Methylcyclohexane, 98-100%, dms., works, frt. alld., E. of Rockies	lb.	.25	—
Methylcyclohexanol, 98 - 100%, dms., works, frt. alld., E. of Rockies	lb.	.30	—
Methylcyclohexanone, 98 - 100%, dms., works, frt. alld., E. of Rockies	lb.	.58	—
Methylene blue, medcl., kgs., 100 lbs.	lb.	2.00	—
cns., 5 lbs.	lb.	2.25	—
Chloride, dms., f.o.b. works	lb.	.19	- .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.,	lb.	.06½-	—
l.c.l., same terms.	lb.	.07	—
tanks, same terms.	lb.	.06½-	—
Methylheptenone, bots.	lb.	2.45	- 3.00
Methylheptin carbonate, bots.	lb.	28.00	-44.00
Methylhexyl ketone, dms., tech., works	lb.	.80	—
Methylisobutyl ketone, dms., 55-gal., c.l., works	gal.	.70	—
l.c.l., works.	gal.	.80	—
smaller containers, works.	gal.	1.00	—
tanks, works.	gal.	.70	—
Methylnaphthyl ketone, dom., cryst., bots.	lb.	3.25	- 3.30
imp., bots.	lb.	3.10	—
Methylpropyl ketone, dms., c.l.	lb.	.20½-	—
l.c.l.	lb.	.21	—
tanks	lb.	.19½-	—
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee	ton.	9.00	—
l.c.l., same basis.	ton.	11.00	—
180 mesh, containers extra, c.l., same basis	ton.	11.00	—
l.c.l., same basis.	ton.	13.00	—
250 mesh, containers extra, l.c.l., same basis	ton.	20.00	—
l.c.l., same basis.	ton.	15.00	—
325 mesh, containers extra, c.l., same basis	ton.	18.00	—
l.c.l., same basis.	ton.	29.00	—
Mica, dry grd., amber, No. 1 quality, bgs. extra and returnable, c.l., works	ton.	30.00	—
l.c.l., 5,000 lbs., works,	ton.	40.00	—
1,000 lbs., works.	lb.	.02	—
500 lbs., works.	lb.	.02½-	—
100 lbs., works.	lb.	.03	—
refined, bgs. extra and returnable, c.l., works	ton.	30.00	—
l.c.l., 5,000 lbs., works,	ton.	39.00	—

(*Above*) **SCIENCE IN THE BEAUTY SHOP** matches make-up colors to skin nes with the aid of lenses, prisms, and polarizing screen. Compounding cosmetics, too, becomes constantly more exacting—requires more care- control of ingredient quality. Typical aid to cosmetic manufacturers Cyanamid's ISO-BEESWAX, a chemically controlled emulsifying ent especially designed for modern soft cleansing creams. ISO-EESWAX is lower in cost than pure beeswax, more resistant to ran- lity. Complete information will be supplied on request.

(*Above*) **DEATH RAY FOR BACTERIA** is the invisible ultra-violet that accompanies this bright flash of visible light. Bacteria exposed to the ultra-violet light die in a hundred-thousandth of a second. Ray is produced by discharge of condensers across a spark gap and through a modified "Steri-lamp". Microscope and projector allow effects to be studied.

(*Above*) **VITAMINS LOOK LIKE THIS** n finally induced to sit for their por- t. Crystals are Vitamin B_1, photo- phed by a process developed after nths of experimentation, and involv- the use of reflected light and a two- ute exposure. B_1 is the anti-neuritic min, occurring in wheat, yeast, s, milk, fruit, and vegetables.

(*Above*) **FLOWERS THRIVE ON CHEMICALS.** These giant marigolds were grown with the aid of colchicine, a compound extracted from the roots of the fall crocus. Doubling the number of chromosomes, colchicine increases the size and vigor of the plant.



(*Above*) **ROBOT FLOOR-PACER** tests wearing qualities of rugs; determines best methods of cleaning them. Cyanamid's Tetra Sodium Pyro Phosphate and AEROSOL* wetting agents are valuable aids in the manufacture of better soaps and cleaning compounds.

American Cyanamid & Chemical Corporation
30 ROCKEFELLER PLAZA • NEW YORK, N. Y.
*Trade-mark of American Cyanamid & Chemical Corporation applied to wetting agents of its own manufacture.

Mica—Oil, Castor

Mica, refined, paint, bgs. extra and returnable, c.l., works..ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1 quality, bgs. extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works..lb. .03 - —
roofing, bgs. extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E—lb. .04½- —
l.c.l., ex-Whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04⅝- —
l.c.l., ex-whse., or frt. alld. E..lb. .04⅞- —
rubber, bgs., c.l., frt. alld. E., lb. .04¼- —
l.c.l., ex-whse., or frt. alld. E..lb. .04¾- —
wet-ground mica prices are ½c. per pound higher west of Rockies.

Milk powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
spray, bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08½- —
unskimmed, roller, bbls., c.l., lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - —
Millet seed, yellow, bgs.....lb. .03¼- .04
early fortune, bgs.....lb. .02¾- .03¼
hulled, bgs.....lb. .06¼- .06¾
Mineral spirits (see Petroleum thinner and V M & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .05½- .06
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. 1.00 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works.....lb. .53 - .55
tanks .....lb. .50 - —
Monobutylamine, dms., c.l., wks., lb. .50 - —
l.c.l., works.....lb. .51 - .53
tanks, works.....lb. .48 - —
Monochlorobenzene, dms., l.c.l., lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works, lb. .65 - —
Monoethylaniliin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .65 - —
l.c.l., dlvd.....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 oz.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs. oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein leaves, cns.....lb. .12 - .14
flowers, cns.....lb. 1.55 - 1.60
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs.....oz.19.00 -21.00
synth, ambrette, cns., 100 lbs. or more..lb. 3.65 - —
5 lbs. to 75 lbs.....lb. 3.80 - —
1 lb.....lb. 3.95 - —
ketone, cns., 100 lbs. or more. lb. 3.70 - —
5 lbs. to 75 lbs.....lb. 3.95 - —
1 lb.....lb. 4.10 - —
xylol, cns., 100 lbs. or more. lb. 1.05 - —
5 lbs. to 75 lbs.....lb. 1.15 - —
1 lb.....lb. 1.20 - —
Musk root, bls.....lb. .60 - .65
Mustard seed, California, brown. bgs..lb. .09¼- .09¾
Danish, yellow, bgs.....lb. .12 - .12½
Dutch, yellow, bgs.....lb. .11 - .11⅛
English, yellow, bgs.....lb. No stocks
Roumanian, yellow, bgs....lb. .12¾- .13⅛
Myrobalans, J1, bgs, f.a.s...ton.30.00 - —
J2, bgs., f.a.s.....ton.25.00 - —
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, 70%, bbls.....lb. .06 Nom.

N

Naphtha, Painters, (see Petroleum naphtha V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., c.l., works, 100 lbs. 2.25 Nom.
bgs., bbls., l.c.l., works, 100 lbs. 2.50 Nom.
78 deg., bgs., c.l., works, 100 lbs. 2.50 Nom.
l.c.l., works.....100 lbs. 2.75 Nom.
Import, bgs., c.i.f.....100 lbs. 2.90 Nom.
Naphthalene, refined, balls or flakes, bbls., wholesalers and jobbers, f.o. b. works..lb. .06¾- —
50-lb. cs., same basis..lb. .07 - —
pkgs. (16 oz.), same basis, lb. .07½- —
(12 oz.) same basis..pkg. .06 - —
chipped, crushed, bbls., same basis..lb. .06 - —
rice, cryst., powd., bbls., same basis..lb. .06¾- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100-lb. dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld..lb. .70 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½ and 40 sec. vis., bbls., works, lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls..lb. .26 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158 - —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., dlvd..unit-ton. 1.95 - —
f.o.b. Chemical, Ill., unit-ton. 1.95 - —
East Coast producing points..unit-ton. 2.50 - —
Import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. 2.45 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nutgalls, Alleppo, bgs., cs....lb. .29 - .30
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .22 - .22½
110s, bgs., cs.....lb. .20 - .20½
West Indian, bgs.....lb. .11½- .12
Nux vomica, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .08 - .09

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03¼- —
l.c.l., bbls., works.....lb. .03⅝- —
tanks .....lb. .02⅝- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10½- —
Octyl acetate, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.00 - 2.10
s.p.a., bots.....lb. 2.10 - 2.20
sweet, true, exp., cns....lb. .90 - 1.00
Amber, crude, cns.....lb. .19 - .20
ref'd, cns.....lb. .50 - .51
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.42.00 -45.00
seed, bots.....lb.70.00 -75.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .72 - .75
Apricot, kernels, cns.....lb. .35 - .40
Babassu, tanks.....lb. .06¾- —
Bay, W. I., 50-55% phenols, cns..lb. 1.20 - 1.25
55-60% phenols, cns.....lb. 1.30 - 1.35
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers.....lb. 4.25 - 4.50
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Oil, birchtar, crude, dms.....lb. .27 - .29
rectified, cns.....lb. .85 - .90
Bois de rose, Brazil, cns....lb. 1.60 - 1.65
Cade, USP IX (see Oil, juniper tar).
Cadjeput, tech., dms.....lb. .61 - .62
USP, IX, cns.....lb. .71 - .72
Calamus, cns.....lb. 8.25 - 8.50
Camphor, sassafrassy, cns...lb. .39 - .40
dms. .....lb. .36 - .37
white, cns.....lb. .62 Nom.
dms. .....lb. .60 Nom.
Cananga, native, cns.....lb. 1.70 - 1.75
rectified, cns.....lb. 2.15 - 2.20
Capsicum (oleoresin) N. F. VI, cns..lb. 2.50 - 2.75
Caraway, USP, cns.....lb. 3.00 - 3.25
Cardamon, bots.....lb.15.00 -16.00
Cassia, USP, cs., dms.....lb. 1.30 - 1.35
Castor, blown, one-way dms., c.l...lb. .14¾ Nom.
l.c.l. .....lb. .15½- —
cold pressed, USP, bbls., cl., lb. .13¼ Nom.
l.c.l. .....lb. .14 - —
cns. (1-gal.), l.c.l.....lb. .17 - —
dms. (returnable), c.l...lb. .13 Nom.
l.c.l. .....lb. .13¾- —
(5-gal.), l.c.l.....lb. .15 - —
tanks .....lb. .12½ Nom.
extracted No. 3, tech, bbls., c.l...lb. .12¾ Nom.
l.c.l. .....lb. .13½- —
dms. (returnable), c.l.....lb. .12½ Nom.
l.c.l. .....lb. .13¼- —
tanks .....lb. .12 Nom.
dehydrated, dms., c.l.....lb. .181 Nom.
l.c.l. .....lb. .185 - —
tanks .....lb. .17½ Nom.
Castor oil, med. and No. 3, prices are dlvd. all points between N.Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ½c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.

OUTSELLS
ALL OTHER BRANDS COMBINED
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OIL OF LEMON
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76 NINTH AVENUE, NEW YORK, N. Y.

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DODGE & OLCOTT COMPANY
180 VARICK STREET, NEW YORK, N. Y.

Distributors for

CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIFORNIA

PRODUCING PLANT: EXCHANGE LEMON PRODUCTS CO., CORONA, CALIFORNIA

Oil, castor, sulphonated, 50% (43% fat), dms., c.l..lb. .09 - —
l.c.l. .....lb. .09½- —
75% (53% fat), dms., c.l..lb. .11 - —
80% (68% fat), dms., c.l..lb. .11¾- —
l.c.l. .....lb. .12¾- —
Cedarleaf, cs.....lb. 1.00 - 1.05
dms. .....lb. .95 - 1.00
Cedarwood, Oregon, cns., dms. lb. .28 - .30
Southern, cns., dms.....lb. .19 - .22
Celery bots.....lb. 7.25 - 7.50
Chaulmoogra, USP, cns., 500 lbs. lb. 1.00 - —
5 lbs .....lb. 1.25 - —
Chinawood, dms.....lb. .27 - .28
tanks .....lb. .26 - .27
Cinnamon, Ceylon, bots.....lb. 9.25 -25.00
Seychelle, bots.....lb. 7.25 - 8.00
Citronella, Ceylon, cns.....lb. .42 - .43
dms. .....lb. .40 - .41
Java, cns., dms.....lb. .39 - .40
Clove, makers, USP, cns....lb. 1.38 - 1.43
dms. .....lb. 1.33 - —
Coconut, Manila, crude, tanks, lb. .03¾- —
Coconut, edible, 76°, tax incl. dms. (returnable), c.l..lb. .08¾- —
l.c.l. .....lb. .09¼- —
tanks .....lb. .07¾- —
Cod, Newfoundland, shipt., ununtanked..gal. .72 Nom.
Norwegian, shipt., bbls....gal. .65 Nom.
Codliver, med., USP, bbls..bbl.32.00 -35.00
Coriander, bots.....lb.11.50 -12.50
Corn, crude, tanks, wks.....lb. .06¼- .06¾
refd., bbls.....lb. .08¾- .09⅜
Cottonseed, cooking, bbls.....lb. .08¾- —
salad, bbls.....lb. .09¼- —
import, Brazilian, semi-refd., bulk..lb. .04 Nom.
Creosote (see C).
Croton, N.F., cns.....lb. 3.50 - 3.75
Cubeb, USP, cns.....lb. 3.50 - 3.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 7.50 - 8.00
Cypress, dom., bots.....lb. 5.25 - 5.50
import, cns.....lb.12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 2.10 - —
California, 24 plus, bulk...bbl. 1.55 - —
Dill seed, bots.....lb. 3.00 - 3.25
weed, bots.....lb. 3.60 - 3.85
Dip (see L).
Erigeron, cns.....lb. 2.00 - 2.25
Eucalyptus, cns.....lb. .68 - .75
dms. .....lb. .65 - .70
Fennel, sweet, cns. .....lb. 2.25 - 2
Fuel, bunker, California, tidewater..bbl. .90 - —
Gulf Coast.....bbl. .90 - .95
Louisiana, Arkansas, 10-14.bbl. .85 - 1.00
N. Y. and N. J. terminals:—
Monday .....bbl. 1.50 - —
Tuesday .....bbl. 1.50 - —
Wednesday .....bbl. 1.50 - —
Thursday .....bbl. 1.50 - —
Friday .....bbl. 1.50 - —
Saturday .....bbl. 1.50 - —
North Texas, 18-22.....bbl. .75 - .85
24-28, zero cold test....bbl. 1.00 - 1.10
Oklahoma, 18-22.....bbl. .75 - .85
24-28, zero cold test.....bbl. 1.00 - 1.05
24-28, 15 and above.....bbl. .80 - .85
Pennsylvania, 36⁄40.....gal. .04 - .04½
Furnace, Bayonne, 1, bulk, refinery..gal. .05½- —
2, bulk, same basis....gal. .05 - .0525
4, bulk, same basis....gal. .0445- .0455
Louisiana - Arkansas, 32 - 36, light straw..gal. .06¾- .06¾
Oklahoma, 28-30.....gal. .03 - —
32-36 .....gal. .03⅜- .03⅜
36-38 .....gal. .03⅝- .03⅝
38-40 zero, 60 e.p.....gal. .03¾- .04
Fusel (see F).
Gas, Bayonne, bulk.....gal. .04 - —
Gulf Coast, bulk .....gal. .03¼- —
North Texas, bulk.....gal. .02¾- —
Oklahoma, bulk.....gal. .03 - —
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns., lb. 2.75 - 3.10
Bourbon, cns.....lb. 2.40 - 3.10
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.75 - 1.80
Grapeseed, dms.....lb. .40 - .45
Ginger, dist., bots.....lb. 5.00 - 5.50
Gualac wood, concrete, bots..lb. 2.50 - 2.55
Haarlem, import, bots....gross. 5.00 - 5.50
Hemlock, cns.....lb. 1.00 - 1.25
Juniper berry, USP, cns.....lb. 2.00 - 2.25
Wood, tech., cns.....lb. .45 - —
Juniper tar, USP XI, 1,000 lbs., dms..lb. .53 - .58
cns. .....lb. .55 - .60
Lard, common, 1, bbls.....lb. .08¾- —
2, bbls.....lb. .08½- —
extra, bbls.....lb. .09 - —
1, bbls.....lb. .08⅞- —
Winter, strained, extra, bbls., lb. .09¼- —
prime, burning, bbls.....lb. .10 - —
prime, ined., bbls.....lb. .09½- —
Laurel, bots.....lb. 4.50 - 4.60
Lavandin, cns., 25 lbs.....lb. 2.15 - 2.20
Lavender flower, French, 50% ester, cns..lb. 5.25 - 5.30
38-42% ester, cns.....lb. 4.00 - 4.05
35-38% ester, cns.....lb. 2.75 - 2.80
30-32% ester, cns.....lb. 2.50 - 2.60
garden, cns.....lb. .42 - .45
spike, Spanish, tech, cns...lb. 1.20 - 1.25
dms. .....lb. 1.15 - 1.20
Lemon, Calif., cns.....lb. 3.00 - —
Messina, coppers, cns.....lb. 3.00 - 3.75
Terpeneless, Type 1.....lb.10.75 -16.50
Type 2.....lb. 8.50 -14.50
Lemongrass, native, cns., dms., lb. .75 - .80
Lime, dist., cns.....lb. 3.60 - 4.25
expressed, cns.....lb. 7.25 - 7.50
Terpeneless, Type 1.....lb.42.00 -46.50
Type 2.....lb.60.00 -78.00
Linaloe wood, cns.....lb. 1.50 - 1.60
Linseed, raw, bbls., c.l.....lb. .1020- .1050
l.c.l., 10 to 69.....lb. .1060- .1070
5 to 9.....lb. .1080- .1090
less than 5.....lb. .1100- .1110
tanks .....lb. .0960- .0990
Boiled linseed oil .004 cents over raw.
Lovage, bots.....lb.41.25 -60.00
Lubricating, at refinery (including U.S. tax 4c. per gal):—California, green, 70, 80, 100, vis., dms.....gal. .20 - —
140 vis., dms.....gal. .25 - —
green, pale, 750, 900 vis., dms..gal. .26 - —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis. dms..gal. .26 - —
Oklahoma, bright stocks, 100-110 D, color 4, 0-10 pour, tanks..gal. .27 - —
15-25 pour, tanks..gal. .24 - —
150-160 D, color, 4½, 0-10 pour, tanks..gal. .28 - —
15-25 pour, tanks..gal. .26 - —
150-160 E, color 5½, 15-25 pour, tanks..gal. .27 - —
190-200 D, color 4¼, 15-25 pour, tanks..gal. .28 - —
neutrals, 0-10 pour, 150 vis., 3 colors, tanks..gal. .13 - —

Oil, lubricating at refinery (including U. S. tax 4c. per gal.):—Oklahoma, 180 vis., 5 color, tanks..gal. .15½- —
4 color, tanks.....gal. .15 - —
200 vis., 3 color, tanks, gal. .16½- —
4 color, tanks....gal. .16 - —
250 vis., 3 color, tanks, gal. .17 - —
250 vis., 4 color, tanks, gal. 16½- —
280 vis., 3 color, tanks, gal. .18½- —
4 color, tanks....gal. .18 - —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.
Penn., bright, 600, 10-15 pour, tanks..gal. .28 - .32
25 pour, tanks..gal. .30 - .33
cylinder, 600 fire, tanks, gal. .17 - —
600 flash, tanks.....gal. .21 - —
630 flash, tanks.....gal. .23 - —
635 fire, tanks.....gal. .19 - —
650 fire, tanks.....gal. .20 - —
Warren, E, amber, tanks, gal. .23 - —
Warren, E, neutral, 150 vis., 3 color, tanks..gal. .26 - .29
180 vis., 3 color, tanks.gal. .28 - .31
200 vis., 2 color, tanks.gal. .29 - .35
spot, Penna., bright, bbls., c.l., f.a.s..gal. .28 - —
unfiltered, 600 s.r....bbls., f.a.s..gal. .23 - —
600 flash, s.r., bbls., c.l. gal. .25 - —

Oil, lubricating at refinery, spot, Penna., C30 flash, bbls., c.l., f.a.s..gal. .28 - —
Warren, E., bbls., c.l., f.a.s., gal. .26 - —
smaller lots, f.o.b..gal. .27 - —
Mace, dist., cns., dms.....lb. 1.90 - 1.95
Mandarin, superior, coppers..lb. 5.50 - 6.25
Menhaden, crude, tanks, f.o.b. Balto..gal. .35 Nom.
refd., alkali, dms.....lb. .0810- —
tanks .....lb. .0690- —
blown, dms.....lb. .0830- —
kettle-boiled, dms.....lb. .0930- —
light-pressed, dms.....lb. .0750- —
tanks .....lb. .0690- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns....lb. 1.60 - 1.70
dist., natural, bots.....lb. 8.50 - 9.00
Neatsfoot, 20° cold test, bbls., lb. .19¼- —
extra, bbls.....lb. .09 - —
1, bbls.....lb. .08¾- —
pure, bbls.....lb. .14¼- —
prime, bbls.....lb. .09¼- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots.....lb.100.00 -150.00
Nutmeg, USP, cns., dms.....lb. 1.90 - 1.95
Oiticica, dms.....lb. .19 - .21
Oleo, 1, bbls.....lb. .07¾- —
2, bbls.....lb. .07½- —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., bbls.....gal. .96 - .98
edible, bbls.....gal. 2.00 - —
foots, dms.....lb. .08 - .08½
sulphonated, 50% (43% fat), dms., c.l..lb. .11½ Nom.
l.c.l. .....lb. .12½ Nom.

Oil, Castor—Oil, Pennyroyal

Oil, olive, sulphonated, 75% (63% fat), dms., c.l..lb. .13½ Nom.
l.c.l. .....lb. .14½ Nom.
80% (68% fat), dms., c.l..lb. .14½ Nom.
l.c.l. .....lb. .15½ Nom.
Orange, sweet, dist., cs.....lb. .90 - —
Expressed, African, cns., dms., lb. 1.10 - 1.13
Calif, cns.....lb. 1.60 - —
Florida, cns.....lb. 1.20 - 1.25
Messina, USP, coppers.lb. 3.00 - 3.75
West Indies, cns.....lb. 2.20 - 2.30
terpeneless .....lb.68.00 -69.00
Origanum, cns.....lb. 1.10 - 1.65
Orris, Florentine, concrete, extra strong, bots..oz. 5.50 - 6.00
Palm, Niger, dms.....lb. .04¾- —
shipment .....lb. .04 - —
softs, 12½%, bulk, shipt....lb. .03 - —
Sumatra, shipt., bulk.....lb. .03 Nom.
Palmarosa, cns.....lb. 2.75 - 3.00
Palmkernel, bulk, shipt.....lb. No prices
Paraffin, 320° flash, 60-70 vis., tanks, G 3..gal. .05¾- —
350° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots., cns.....lb. 4.60 - 5.55
Peanut, crude, dom., tanks..lb. .07 - .07¼
refd., edible, bbls.....lb. .09⅝- .09⅞
Pennyroyal, dom., cns.....lb. 3.00 Nom.
import, cns.....lb. 2.75 - 2.80

Results TELL THE STORY

After three years, Crown Can enjoys the patronage of numerous industries including many prominent names in American business.

Crown has deservedly won confidence through its policy of being independent and helpful and its constructive approach to every industry problem.

That the success of this practical ideal is also good business is best attested by Crown's growing list of enthusiastic patrons.

CROWN CAN COMPANY, PHILADELPHIA, PA.
Division of Crown Cork and Seal Co.
BALTIMORE ST. LOUIS HOUSTON MADISON ORLANDO

CROWN CAN

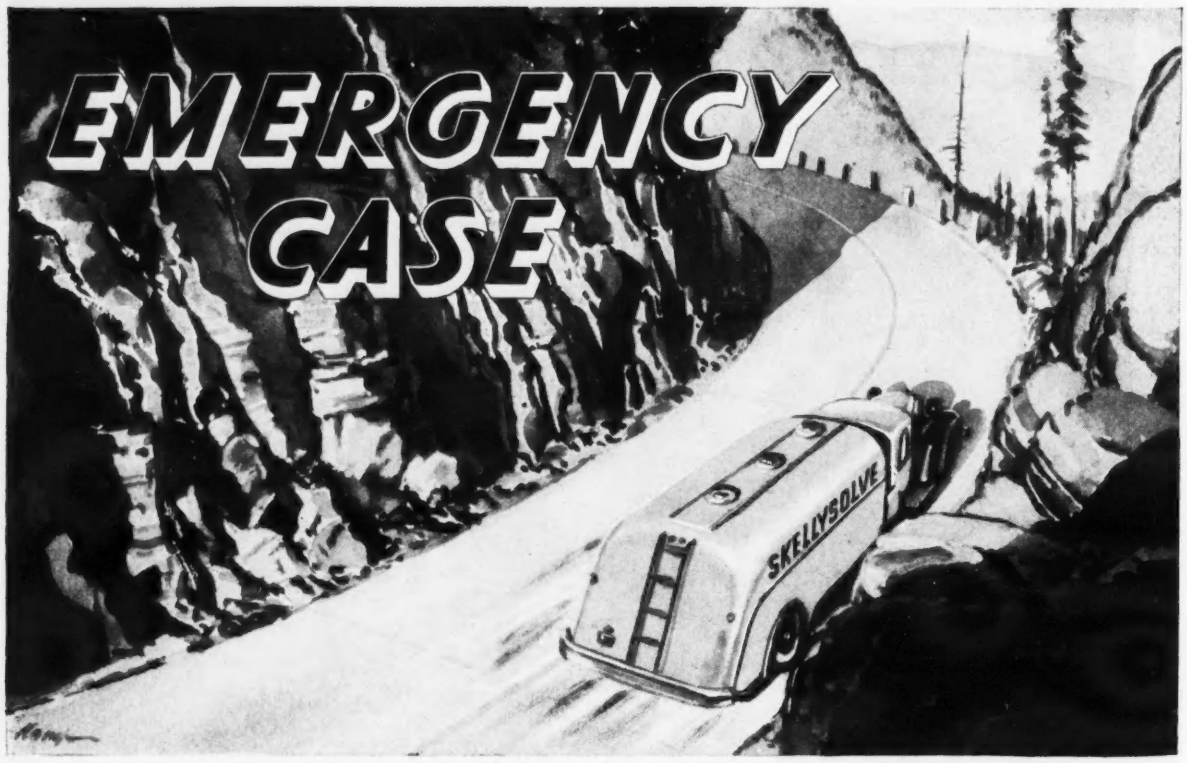
INDEPENDENT AND HELPFUL

Oil, Peppermint—Pepper

Oil, Peppermint, natural, cns., a dms..lb. 2.75 - 3.00
redist. dms. lb.
Perilla, dms.....lb. .21 Nom.
tanks .....lb. .20 Nom.
Petitgrain, Paraguay, cns....lb. 1.40 - 1.50
Pimento berry, cns.....lb. 4.35 - 7.25
leaf, cns.....lb. 2.65 - 3.00
Pine, dest.-dist., straw-color, dms., dlvd., E. ports....gal. .53 - .56
steam-dist., dms.....gal. .59 - —
tanks .....gal. .54 - —
Pineneedle, Siberian, cns....lb. 1.20 - 1.25
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Bost., Provid..gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, blown, bbls.....lb. .17 - .17½
denat., bbls.....gal. 1.00 - 1.05
Red, dist. or saponif. dms., dlvd..lb. .08¼- .09½
tanks, dlvd.....lb. .08 - —
Rose, artif., bots.....oz. 2.00 - 2.25
natural, coppers.....os. 5.25 -22.50
Rosemary, Spanish, cns.....lb. .75 - .80
dms. .....lb. .70 - .75
Rosin, 1st rectfd., dms.....gal. .50 - —
2d rectfd., dms.....gal. .32 - —
3d rectfd., dms.....gal. .56 - —
Rue, bots.....lb. 3.00 - 3.25
Sage, cns.....lb. 2.75 - 3.00
Sandalwood, E. I., USP, cns.lb. 5.25 - 5.50
Mysore, cns., case lots.....lb. No price
Oil, sardine, crude, tanks, Pac. Cst. gal. .39 Nom.
refd., alkali, dms.....lb. .0810- —
tanks .....lb. .0750- —
kettle-boiled, dms.....lb. .0930- —
light-pressed, dms.....lb. .0750- —
tanks .....lb. .0690- —
Sassafras, artif., cns.....lb. .77 Nom.
dms. .....lb. .75 Nom.
natural, cns., dms.....lb. 1.20 - 1.25
Savin, cns.....lb. 3.15 - 3.20
Savory, cns.....lb. 2.00 - 2.25
Sesame, refd., dom., dms....lb. .11½- .11¾
Shingle stain, bbls., c.l., wks., gal. .19 - —
l.c.l., works .....gal. .20 - —
tanks, works .....gal. .14 - —
Snakeroot, Canada, cns.....lb. 9.50 -10.00
Soybean, dom., crude, dom....lb. .067⅛- .07⅜
tanks .....lb. .063⅛- .063⅜
refd., dms.....lb. .083⅛- .087⅜
tanks .....lb. .071⅛- .075⅜
Spearmint, dms.....lb. 2.20 - 2.25
Sperm, bleach, 38° dms.....lb. .1030- —
45°, dms.....lb. .0960- —
natural, dms.....lb. .0910- —
Spruce, cns., dms. .....lb. 1.00 - 1.25
Sweet, birch, North, cns.....lb. 2.25 - 2.65
South, cns. .....lb. 1.45 - 1.50
Tall, crude, dms., c.l., works, ton.35.00 - —
l.c.l., works.....ton.40.00 -55.00
tanks, works .....ton.25.00 - —
refined, dms., c.l., works...lb. .04 - .05½
l.c.l., works.....lb. .04½- .06¾
tanks, works.....lb. .03½- .05
Tallow, acidless, bbls.....lb. .08½- —
tanks .....lb. .08 - —
Tansy, cns .....lb. 6.00 - 6.25
Oil, tar, pine, com'l, dms., c.l., dlvd. E. cities..gal. .26 - —
E. ports .....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
rectfd., USP, bbls., dlved., E. ports.....gal .59 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .12½ Nom.
Tea Tree (see Oil, Ti tree).
Thyme, NF, red, dms.....lb. 1.35 - 1.40
white, dms.....lb. 1.75 - 1.80
Tung (see Oil, chinawood).
Ti tree, cns.....lb. 2.30 - 2.60
Turkey red (see Oil, castor, sulphonated).
Turpentine (see T).
Turtle, cns.....gal. 7.50 Nom.
Valerian, bots.....lb. 8.00 - 9.00
Vetiver, bots.....lb. 3.50 -15.00
Whale, refd., natural, dms..lb. .0910- —
winter, bleach, dms.....lb. .0950- —
Wheat germ, cns., dms.....gal.17.50 -25.00
White, mineral, dom., dms., tech., 50-60 vis., dms.gal. .33 - .34
65-75 vis., dms.....gal. .40 - .46
80-90 vis., dms.....gal. .41 - .47
USP, 80-90 vis., dms....gal. .44½- .50
95-105 vis., dms.....gal. .57 - .58
125-135 vis., dms.....gal. .64½- .65½
140-150 vis., dms.....gal. .67 - .69
175-185 vis., dms.....gal. .72½- .73½
200-210 vis., dms.....gal. .74½- .75½
320-330 vis., dms.....gal. .78 - .81
335-345 vis., dms.....gal. .81 - .82
Russian, 80-90 vis., dms.gal. No prices
145-155 vis., dms.....gal. No prices
175-185 vis., dms.....gal. No prices
335-345 vis., dms.....gal. No prices
Wintergreen, natural, North, cns..lb. 4.00 - 8.00
South, cns.....lb. 3.05 - 3.75
synth (see Methyl salicylate).
Oil, wood (see Oil, chinawood).
Wormseed, cns.....lb. 3.85 - 4.00
Wormwood, cns.....lb. 6.00 - 6.25
Ylang-ylang, Bourb., bots., cns. lb. 5.75 - 6.50
Manila, bots.....lb.18.00 -24.00
Olivine, aggregate, c.l., mines, ton. 7.00 -11.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
ground, 325 mesh, c.l., mines, ton.20.00 - —
200 mesh, c.l., mines....ton.17.00 - —
100 mesh, c.l., mines....ton.15.00 - —
20 mesh to dust.....ton.12.00 - —
Opium USP, cns.....lb.11.50 -12.50
gran., cns.....lb.12.50 -13.50
powd., cns.....lb.12.50 -13.50
Orange Lake, Persian, bbls....lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .11 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .11½- —
Colo., Mont., N. M., Wyo..lb. .11¾- —
Other points.....lb. .10¾- —
smaller lots, dlvd., Ala., etc..lb. .11¾- —
Ariz., etc.....lb. .12 - —
Colo., Mont., N. M., Wyo..lb. .11¾- —
Other points.....lb. .11¾- —
French, Tours, casks, ex dock, lb. .13½- —
kgs., ex dock.....lb. .14½- —
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .50 - .65
Orange peel, bitter, bls.....lb. .09 - .10
sweet, bls.....lb. .16 - .17
Orris root, Florentine, bgs...lb. .14 - .17
fingers, cs.....lb. 1.15 - 1.20
powd., bbls., bxs.....lb. .21 - .22
Verona, bls.....lb. .15 - .16
powd., bxs., cs.....lb. .19 - .20
Orthoanisidin, bbls.....lb. .70 - —
Orthochloroanilin, dms.....lb. .60 - .75
Orthochlorophenol, dms. .....lb. .52 - —
Orthocresol, dms., c.l., works.lb. .16 - —
l.c.l., same basis .....lb. .16½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - —
l.c.l., same basis.....lb. .07 - —
100-lb. tins, same basis..lb. .08 - —
50-lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher
Orthonitroanilin, dms... ...lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .60 - —
Orthophenetidin, dms.....lb. .80 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange extract, cryst., bbls., lb. .21 - —
liquid, 42°, bbls.....lb. .09 - —
51°, bbls.....lb. .10 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.65 - 4.00
Orthotoluene hydrochloride, dms.lb. .22 - —
Sulphonate, kgs.....lb. 2.00 - 2.05

P

Papain, powd., cs.....lb. 1.50 - 1.60
Paprika, Hungarian, extra fancy, bgs..lb. .33 - .34
medium, bgs.....lb. .28½- .29
Portuguese, extra fancy, bgs.lb. .31½- .32
fancy, bgs.....lb. .30½- .31
Spanish, extra fancy, cs.....lb. .36 - .37
Parachlorophenol, dms.....lb. .32 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms., c.l.lb. .11 - .12
l.c.l. .....lb. .12½- .15½
Paraffin, crude, scale, white 122-124 A.m.p., bgs., c.l., Okla., refy..lb. .05½- —
bbls., c.l., N.Y.....lb. .05½- .05⅝
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .05⅝- .06
bbls., c.l., N.Y.....lb. .05½- .05⅝
yellow, 124-126 A.m.p., bbls., c.l., N.Y..lb. .05½ Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l..lb. .0660- —
loose, c.l.....lb. .0625- —
125-127 A.m.p., bgs., c.l..lb. .0675- —
loose, c.l.....lb. .0640- —
128-130 A.m.p., bgs., or loose, c.l..lb. .0680- —
131-133 A.m.p., bgs., or loose, c.l..lb. .0705- —
133-135 A.m.p., bags or loose, c.l..lb. .0730- —
135-137 A.m.p., bgs., or loose, c.l..lb. .0755- —
138-140 A.m.p., bgs., or loose, c.l..lb. .0830- —
143-145 A.m.p., bgs., or loose, c.l..lb. .0925- —
151-153 A.m.p., bgs., or loose, c.l..lb. .70 Nom.
Refined paraffin prices in cases are 1½c. lb. higher than bags price; solid in tankcars is ½c. lower.
match, A.m.p. up to and incl. 110-112 bbls. c.l..lb. .06¼ Nom.
semirfd., solid., 122-124 A.m.p., bgs..lb. .06½ Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C..lb. .34 - —
100 to 900 lbs. shipments, same basis..lb. .35 - —
Paraldehyde, tech., 99%, 55 and 100 gal. dms., c.l., works, lb. .10 - —
l.c.l., works.....lb. .11¼- —
5 and 10-gal. dms., works..lb. .15 - —
USP, cs., cbys.....lb. .37 - .45
Paranisidine, dms.....lb. .75 - —
Paranitroanilin, kgs., works...lb. .47 - —
Paranitrochlorobenzene, kgs....lb. .15 - —
Paranitrophenol, kgs.....lb. .35 - —
Paranitrotoluene, kgs.....lb. .30 - —
Paraphenylenediamine, bbls....lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. 48 - —
Pareira brava root, bls.....lb. .18 - .20
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld. lb. .23 - .25
less car lot, same basis.lb. .24 - .26
Passion flower, herb, bls.....lb. .07 - .08
Patchouli leaves, bls.....lb. .28 - .30
Pellitory root, bls.....lb. .28 - .29
Pennyroyal leaves, bls.....lb. .15 - .16
Pentanes norm., 28-38°, dms., c.l., G.3..gal. .11½- —
l.c.l., G.S.....gal. .16 - —
tanks, G.3.....gal. .08½- —
laboratory grade, dms., c.l., G.3, gal. .14 - —
l.c.l., G.3.....gal. .25 - —
Pepper, black, Aleppey, bgs....lb. .07¾- .08¼
Lampong, bgs.....lb. .04½- .04½
Tellicherry, bgs.....lb. .08 - .08¾



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OIL, PAINT and DRUG FIELD

The Skellysolve line includes naphthas specially fractionated for all laboratory and industrial uses. We furnish a full line of V. M. & P. naphthas, mineral spirits and lacquer diluents, as well as many other special hydrocarbons. Our technical staff has aided many manufacturers in developing formulas for new or improved products which have proved of great value. Write for full information today.

In the most carefully managed plants it can happen. Speed stepped-up on a certain operation . . . solvent gallonage diminishing at a greatly accelerated rate . . . a sudden realization that it's only a matter of hours until the supply is exhausted! Orders must be filled . . . production must go on! Call Skelly!

A great many times it has been our privilege to step into the breach in such a situation, supplying the proper solvent at the time and place required, and averting losses that might have assumed serious proportions. For there is never a time when we cannot promptly ship any Skellysolve, either from one of our refining plants direct, or from our Skellysolve bulk station in Chicago. And very often we have saved the day with a special truck shipment that has kept operations going and prevented a costly production breakdown.

It may be many months before you have need of such prompt emergency service. But there's peace of mind in knowing it's available. And meantime you will appreciate the many other advantages Skelly offers you in Skellysolve special naphthas . . . purity, uniformity, close boiling ranges . . . adaptability to every industrial and laboratory use. Let us send you the whole story. Write or wire for full information today.

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A. Ernest MacGee, *Manager*
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Pepper, red, chillies, Japan, Hontaka	lb.	.19½- .20
Mombassa, bgs.	lb.	.40 - .41
White, Java, Muntok, bgs.	lb.	.07¾- .08¼
Saigon, bgs.	lb.	.07½- .08
Peppermint leaves, dom., bls.	lb.	.35 - .40
import, bls.	lb.	.45 - .50
Perchlorethylene, dms., c.l., works, frt. alld., zone 1	lb.	.08 - —
l.c.l., same basis	lb.	.08½- —
Zone 2, dms., c.l., works, frt. alld.	lb.	.08½- —
l.c.l., same basis	lb.	.09 - —
Zone 3, dms., c.l., works, frt. alld.	lb.	.09 - —
l.c.l., same basis	lb.	.09½- —
Zone 4, dms., c.l., f.o.b. stock points	lb.	.09 - —
l.c.l., same basis	lb.	.09½- —

All prices on perchlorethylene are frt. alld. with the exception of zone 4, in which case the prices indicated are based on f.o.b. L. A. Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb., Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha, S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.	lb.	1.05 - 1.10
Petrolatum, amber, dms., c.l.	lb.	.03¾- —
l.c.l.	lb.	.04¾- —
amber, extra, dms.	lb.	.04 - —
l.c.l.	lb.	.05 - —
Petrolatum, veterinary, dms., c.l.	lb.	.03¾- —
white, cream, dms., c.l.	lb.	.06¾- —
l.c.l.	lb.	.06¾- —
lily, dms., c.l.	lb.	.06¾- —
l.c.l.	lb.	.07¾- —
snow, dms., c.l.	lb.	.07¼- —
l.c.l.	lb.	.08¾- —
Petroleum, crude, bulk, at wells:—		
California	bbl.	.60 - 1.75
Canada	bbl.	2.10 - 2.17
Central West:—		
Illinois	bbl.	.53 - 1.00
Lima	bbl.	.30 - —
Michigan	bbl.	.82 - 1.02
Princeton	bbl.	1.05 - —
East Texas	bbl.	1.10 - —
Gulf Coast	bbl.	.74 - 1.41
Kentucky, Tennessee	bbl.	1.02 - 1.10
Louisiana, Arkansas	bbl.	.73 - 1.20
Mexico	bbl.	No prices
Midcontinent:—		
North Texas	bbl.	.51 - 1.10
Oklahoma-Kansas	bbl.	.38 - 1.10
Pennsylvania, Ohio, West Virginia:—		
Bradford-Allegany	bbl.	2.75 - —
Corning	bbl.	1.17 - —
Pennsylvania grade, in Buckeye lines.	bbl.	1.70 - —
Eureka lines.	bbl.	2.34 - —
N. Y. Transit lines.	bbl.	2.75 - —
S. W. Penn lines.	bbl.	2.40 - —
lower district in National Transit lines.	bbl.	2.63 - 2.75
Rocky Mountains	bbl.	.51¼- 1.30
South Central and Southwestern Texas.	bbl.	.73 - 1.27
Texas Panhandle	bbl.	.67 - .96
West Texas	bbl.	.53 - .95
Ether, 30-60°, dms., c.l., G.3.	gal.	.14½- —
l.c.l., G.3.	gal.	.25½- —
tanks, G.3.	gal.	.13½- —
35-60°, dms., l.c.l., G.3.	gal.	.30½- -
40-75°, dms., c.l., G.3.	gal.	.14½- —
l.c.l., G.3.	gal.	.25½- —
tanks, G.3.	gal.	.13½- —
laboratory grade, dms., c.l., G.3.	gal.	.14½- —
c.l., G.3.	gal.	.25½- —
10-gal. lots, G.3.	gal.	.50½- —
Lacquer, diluent, at refinery:—		
California, 100 l.b.p., 200 e.p., tanks, delvd. Los Angeles.	gal.	.11 - —
San Francisco.	gal.	.11½- —
f.o.b. Richmond	gal.	.11 - —
Willbridge, Ore., Ft. Wells, Wash.	gal.	.12 - —
East Coast, tanks	gal.	.09½- .10
Group 3, toluol type, tanks.	gal.	.07¾- —
benzol type, tanks	gal.	.07¾- —
Naphtha, cleaners', at refinery:—		
East Coast, tanks	gal.	.09 - .10¼
Group 3, tanks	gal.	.06¾- .07
tankwagon, Boston, ex tax.	gal.	.13¼- —
Bridgeport	gal.	.13½- —
Chicago, inc. 4c. tax.	gal.	.18 - —
Decatur, inc. 4c. tax.	gal.	.1910- —
Des Moines, inc. 4c. tax.	gal.	.1890- —
Evansville, inc. ex tax.	gal.	.15 - .16
Milwaukee, inc. 5c. tax.	gal.	.2030- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20½- —
Newark, ex tax.	gal.	.10½- —
New York, ex tax.	gal.	.10½- —
Omaha, ex tax.	gal.	.1490- .1590
Oklahoma City, ex tax.	gal.	.16½- —
Philadelphia, ex tax.	gal.	.12 - —
St. Louis, inc. 1c. tax.	gal.	.15½- —
Syracuse, 150 gals.	gal.	.14½- —
smaller lots, galv. drums.	gal.	.10 - —
milk cans	gal.	.21 - —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway.	gal.	.18 - —
2, over 90% arom., same basis.	gal.	.19 - —
3, same basis	gal.	.20 - —
8, tanks, f.o.b. Paulsboro, N. J.	gal.	.15½- —
30, same basis	gal.	.16¾- —
40, same basis	gal.	.16½- —
v.m.&p., at refinery:—		
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo.	gal.	.11 - —
Richmond.	gal.	.11½- —
Willbridge, Ore., Ft. Wells, Wash.	gal.	.12 - —
54-57, 190 l.b.p., 310 e.p., tanks, dlvd. Los Angeles,	gal.	.10 - —
San Francisco.	gal.	.10½- —
Portland, Seattle.	gal.	.11 - —
East Coast, tanks.	gal.	.09½- —
Group 3, tanks.	gal.	.06¾- .07
tankwagon, Boston, ex tax,	gal.	.14½- —
Chicago, inc. 4c. tax.	gal.	.17 - —
Des Moines, inc. 4c. tax.	gal.	.1890- —
Decatur, inc. 4c. tax.	gal.	.1910- —
Evansville, Ind., ex tax,	gal.	.1520- .1620
Milwaukee, inc. 5c. tax.	gal.	.2030- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20 - —
Newark, ex tax.	gal.	.11½- —
New York, ex tax.	gal.	.10½- —
Omaha, ex tax.	gal.	.1490- .1590
Philadelphia, ex tax.	gal.	.13 - —
St. Louis, inc. 1c. tax.	gal.	.1570- —

Petroleum, solvent, rubber, at refinery, East Coast, tanks,	gal.	.09½- —
Group 3, light, 120 l.b.p., 250 e.p., tanks.	gal.	.06¾- .07
standard, 150 l.b.p., 288 e.p., tanks.	gal.	.06¾- .07
Stoddard (CS 3-38), at refinery:—		
East Coast, tanks.	gal.	.08¾- .09½
Group 3, tanks.	gal.	.06¾- .06½
tankwagon, Boston, ex tax,	gal.	.14 - —
Chicago, inc. 4c. tax.	gal.	.1640- —
Decatur, inc. 4c. tax.	gal.	.1860- —
Des Moines, inc. 4c. tax.	gal.	.1840- —
Evansville, Ind., ex tax.	gal.	.14 - .15
Milwaukee, inc. 5c. tax.	gal	.1980- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.1820- —
Newark, ex tax.	gal.	.09½- —
New Orleans, ex tax.	gal.	.11 - —
New York, ex tax.	gal.	.09½- —
Omaha	gal.	.1360- .14½
Philadelphia, ex tax.	gal.	.13 - —
St. Louis, inc. 1c. tax.	gal.	.1340- —
Tulsa, ex tax.	gal.	.10½- .11½
Thinners, at refinery:—		
California, 34, 325 l.b.p., 390 e.p., low anilin, 6,000 gal. tanks or tanrsport trucks, f.o.b. Los Angeles.	gal.	.15 - —
Portland, Ore.	gal.	.16 - —
Richmond	gal.	.14½- —
Seattle, Wash.	gal.	.16½- —
44, 311 l.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore.	gal.	.10½- —
Richmond	gal.	.10 - —
Southern Calif.	gal.	.09½- —

Petroleum, thinners, 200 l.b.p., 300 e.p., f.o.b. El Segundo,	gal.	.11 - —
Portland, Ore.	gal.	.12 - —
Richmond	gal.	.11½- —
Seattle, Wash.	gal.	.12 - —
East Coast, 43-47, tanks.	gal.	.08¾- .09½
47-49, tanks.	gal.	.10½- —
New Jersey, tanks.	gal.	.09 - —
Group 3, tanks.	gal.	.05¾- .06
tankwagon, tax included:—		
Albany	gal.	.13½- —
Baltimore (100 gals.).	gal.	.14 - —
25-99 gals.	gal.	.16 - —
Boston	gal.	.13½- —
Bound Brook, North Amboy, N. J.	gal.	.13½- —
Bridgeport, Conn.	gal.	.11½- —
Buffalo	gal.	.15½- —
Camden, N. J.	gal.	.10 - .11½
Chicago	gal.	.1670- —
Decatur	gal.	.1810- —
Des Moines.	gal.	.1790- —
Evansville, Ind.	gal.	.1420- .1520
Milwaukee	gal.	.1930- —
Minneapolis-St. Paul.	gal.	.19½- —
Newark	gal.	.09½- —
New York (200 gals.).	gal.	.09½- —
Omaha	gal.	.1360- .1460
Philadelphia	gal.	.12½- —
Pittsburgh	gal.	.11½- .13½
Providence	gal.	.12 - —
Rochester	gal.	.12½- —
St. Louis.	gal.	.1470- —
Syracuse	gal.	.13 - —
Trenton	gal.	.10½- —
Wilmington, Del.	gal.	.12½- —
Phenobarbital, 5-lb. bots.	lb.	3.95 - —
bots. or cns., 100 lbs., spot or contract.	lb.	3.60 - —
25-lb. cns.	lb.	3.85 - —

Pepper—Phosphate Rock

Phenol, USP, dms., c.l., works, frt. equald.	lb.	.13 - —
l.c.l., same basis	lb.	.13¾- —
under 1,000 lbs.	lb.	.14¾- —
tanks, works.	lb.	.12 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots.	lb.	.85 - —
bbls., dms., kegs, 100-250 lbs.,	lb.	.87 - .89
yellow, fib. dms., 2,000-lb. lots,	lb.	.80 - —
100-lb. fib. dms.	lb.	.82 - —
25-lb. dms.	lb.	.87 - —
50-lb. kgs.	lb.	.84 - —
Phenyl chloride, dms.	lb.	.17 - —
Phenylacetaldehyde, bots.	lb.	2.10 - 2.50
Dimethylacetate, cns.	lb.	14.50 -15.00
Phenyl ethyl acetate, cns.	lb.	2.45 - 2.50
Phenylethylphenyl acetate, bots.,	lb.	7.90 -15.50
Phenylhydrazine, base, CP, bots.,	lb.	4.00 - —
Hydrochloride, CP., bots., works.	lb.	4.00 - —
commercial, kgs., works.	lb.	1.50 - —
pure, bbls., works.	lb.	2.25 - —
Phloroglucinol, CP, tins, works.	lb.	20.00 -22.00
tech., tins, works.	lb.	15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines.	long ton.	4.35 - —
land pebble, 68% min., bulk, mines.	long ton.	1.90 - —

"...AND 13 MAKES A DOZEN"

THE man who gives 12 to a dozen is an honest man. The man who gives 13 to a dozen is a philosopher.

One is a matter of giving what is expected. The other is a philosophy of trying to give a little *more* than is expected.

Because Shell believes the philosophy of 13 to a dozen is sound business policy, it has established a staff of Naphtha Technicians. These men are available without charge to any paint manufacturer who wants expert help with his naphthas.

Each man is an experienced chemical engineer, who devotes all of his time and study to naphthas . . . and to nothing else. By virtue of his specialized training and experience, he is expertly informed on their uses and characteristics.

If you, in turn, are interested in giving a little more than is expected through better quality, why not have the Shell Naphtha Technician pay you a visit? Just call the nearest Shell Office.

SHELL NAPHTHAS

Phosphate Rock—Skullcap

Phosphate rock, Fla., high-grade, land pebble, 70% min., bulk, mines..long ton. 2.15 - —
72% min., bulk, mines, long ton. 2.40 - —
75% basis, 74% min., bulk, mines..long ton. 2.90 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases.....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms.. c.l., works..lb. .11 - .12
l.c.l., dms., works.....lb. .13 - .14
See page blue, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, tons, lb. .35 - —
single bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld., E. of Miss. R..lb. .14½ - —
l.c.l., same basis.....lb. .15½ - —
Pichi leaves, bgs.....lb. .15 - .16
Pilocarpine hydrochloride, bots., vis..oz. 4.00 - 4.25
Nitrate, bots., vis.....oz. 3.90 - 4.15
Pimento, bgs.....lb. .16½ - .17
Pinkroot, bls.....lb. .40 - .41
Pitch, burgundy (see R)
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
Hardwood, 1-time, dms., c.l., dlvd. Akron..ton. 23.75 -24.00
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls.....bbl. 6.00 - 6.50

Plaster of Paris (see Gypsum).

Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd., E. of Miss..lb. 4.50 - 4.70
Poke root, bls.....lb. .07 - .07½
Pomegranate bark, bgs.....lb. .52 - .55
Root bark, bgs.....lb. .47 - .48
Poppy flowers, red, bls.....lb. 1.00 - 1.15
Seed, Dutch, bgs.....lb. .13 - .13½
Hungarian, bgs.....lb. .14 - .14½

Potash abietate.....lb. .08 - —
Acetate, tech., bbls., dlvd...lb. .26 - —
kgs., dlvd.....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs.....lb. .30 - —
cns., 25 lbs.....lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs.....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .15 - —
kgs., 100 lbs.....lb. .17 - —
gran., bbls., 250 lbs.....lb. .15 - —
kgs., 100 lbs.....lb. .17 - —
Bichromate, spot, c.l., works, lb. .08½- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
lb., dms., 100 lbs.....lb. .32 - —
Carbonate, calc., dms.. c.l., works..lb. .06½ - —
l.c.l., same basis.....lb. .06¾ - —
hydrated, 83-85%, bbls., c.l., works..lb. .05½ - —
l.c.l., same basis.....lb. .05¾ - —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis.lb. .03125- —
tanks, same basis.....lb. .0275- —
USP, gran., bbls., 325 lbs..lb. .13½ - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07½
import, dms.....lb. No prices
liquid, 45% basis, dms.....lb. .03¼- .03¾
tanks .....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, dms.....lb. No prices
Chlorate, cryst., kgs.....lb. .10½- .13
gran., kgs.....lb. .12 - .14½
powd., kgs.....lb. .10 - .12½
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 Nom.
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- —
Cyanide, cns., dms.....lb. No prices
Cyanide, gold, 11% gold, bots., works..oz. 14.20 -14.45
Glycerophosphate, 75% sol., dms., 1,000-lb lots...lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys. or cns. lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Guaiacolsulphonate, fib., dms., 100-lb. lots..lb. 1.60 - 1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns... 100 lbs. .30½- .32
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.31 - 3.35
cns., 25 lbs.....lb. 3.20 - —
Iodide, bbls., 250 lbs.....lb. 1.35 - —
bots., or cns.....lb. 1.44 - 1.70
dms. .....lb. 1.35 - 1.38
Kainit, 20%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. 12.25 - —
Manure salt, dom., run of mine, approx. 30%, K_2O, bulk, c.i.f. ports..unit-ton. .58½- —
import, 30%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton 17.55 - —
Metabisulphite, kgs.....lb. .13 - .15
Muriate, dom., all strengths, min., 50% K_2O, bulk, unit-ton. .53½- —
Import, all strengths, min. 50% KCl, basis 50% K_2O, bulk, ex-vessel, Atlantic or Gulf ports.....ton. 26.75 - —
basis 60% K_2O, bulk, ex-vessel, Atlantic or Gulf ports, ton. 32.10 - —
Potash muriate prices in bags are $2 per ton higher than bulk price.
Oxalate, pure, cryst., kgs...lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs., c.i.f. ports, ton. 55.00 Nom.
Perchlorate, kgs., works.....lb. .09½- .11
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .38 - .45
Yellow, bbls.....lb. .15 - .16
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lump, bgs..lb. .07 - —
Potash, sulphate, NF, cryst., 400 lbs., bbls..lb. .18 Nom.
100 lb. kgs.....lb. .20 - —
powd., 350 lbs., bbls....lb. .19 Nom.
100 lb. kgs.....lb. .21 - —
tech., 90-95%, min. 90%, bgs., ex-vessel, Atlantic or Gulf ports..ton. 36.25 - —
Xanthate, dms., c.l.....lb. .13 - —
l.c.l. .....lb. .13½- —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt., ton. 24.75 - —
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .45 - —
Prickly ash bark, bls.....lb. .15 - .16
Berries, bgs.....lb. .30 - .35
Prince's pine herb, bls.....lb. .25 - .26
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .30 nom.
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03½- —
less than 3, works....lb. .04½- —
F and 1, bbls., 3 or over, works..lb. .04 - —
less than 3, works....lb. .04½- —
O, O-½, O-¾, and ⅛, bbls., 3 or over, works.....lb. .04½- —
less than 3, works....lb. .04½- —
Ital.-grd., bgs., c.l., shipt. ex dock, N. Y..ton. 39.00 Nom.
l.c.l., 5-29 tons, ex whse., ton. 44.00 Nom.
1,000-10,000 lbs., ex whse..ton. 46.00 Nom.
2 bgs., to 1,000 lbs., ex whse, ton. 48.00 Nom.
single bgs., ex whse. ton. 60.00 Nom.
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Seil test) 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gls., or more, standard brand, odorless..gal. 7.15 - 7.50
(30 to 1) 3.6% pyrethrin, 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gals., or more, standard brand, odorless..gal. 10.65 -11.00
Pyrethrum flowers, coarse, grnd. (g.d.p.) Japan, bgs., frt. alld., 15 tons or over..lb. .33 - .36
fine powd. Japan, bbls., ton lots frt. alld..lb. .35 - .37
Pyridin, denaturing, dms....gal. 1.71 - —
refd., 2°, dms.....lb. .51 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. 12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib., dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh., c.l., mines..ton. 9.00 - —
325 mesh, same basis....ton. 12.00 - —
No. 3, 200 mesh, c.l. mines.ton. 7.50 - —
325 mesh, same basis....ton. 10.50 - —
Pyroxylin scrap, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works, lb. .13 - —
dense white, cs., works...lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-demi, cs.. works....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works..lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .04 - —
tanks, works.....lb. .03½- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04¼- —
clarified, 64%, bgs., c.l., same basis..lb. .04¾- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs.....lb. .10 - .11
Quercitron, extract, liquid, 51°, bbls..lb. .08½- .09½
solid, dms.....lb. .11 - .16½
Quicksilver, dom., flasks (76 lbs. net, dlvd. N. Y., flasks. 182.00 -185.00
European, flasks (76 lbs. net), port of origin, in bond..flask. 200.00 - —
ex store.....flask. 207.00 - —
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, cryst., small, cns..oz. 1.01 - —
large, cns.....oz. 1.03 - —
powd., precip., cns.....oz. .96 - —
Sulphate, cns.....oz. .69 - —
Subject to surcharge of 4c. per oz.; see note under Quinine.
Quinine, 100 ozs., cns.....oz .80 - —
Acetate, cns.....oz. 1.02 - —
Arsenate, cns.....oz. 1.02 - —
Arsenite, cns.....oz. 1.04 - —
Bisulphate, cns.....oz. .57 - —
Citrate, cns.....oz. .75 - —
Dihydrobromide, bots.....oz. .78 - —
Dihydrochloride, bots.....oz. .78 - —
Ethylcarbonate, cns.....oz. .80 - —
Ferrocyanide, cns.....oz. 1.04 - —
Formate, cns.....oz. .97 - —
Glycerophosphate, cns.....oz. 1.17 - —
Hydrochloride, cns.....oz. .72 - —
Hydrochlorosulphate, cns....oz. .78 - —
Hydroiodide, cns.....oz. 1.02 - —
Hypophosphite, cns.....oz. 1.03 - —
Phosphate, cns.....oz. .86 - —
Salicylate, cns.....oz. .76 - —
Sulphate, USP, X, cns.....oz. .57 - —
USP, XI, cns.....oz. .64 - —
Sulphocarbolate, cns.....oz. 1.03 - —
Tannate, cns.....oz. .60 - —
Tartrate, cns.....oz. 1.00 - —
Valerate, cns.....oz. .96 - —
Quinine buyers must pay a surcharge of 4c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Quinine-urea hydrochloride, cns.oz. .78 - —
Subject to surcharge of 4c. per oz.; see note under Quinine.

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Belgian, bgs.....lb. .07½- .08
Dutch, black, bgs.....lb. .08 - .08½
red, bgs.....lb. .12 - .12½
Japanese, bgs.....lb. .06¾- .07
Raspberries, dried, bls.....lb. .65 - .70
Red, alizarin lake, bbls., dlvd. N. of Tenn., and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .90 - —
smaller lots, same basis. lb. .95 - —
kgs., ton lots, same basis. lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis. lb. .80 - —
smaller lots, same basis. lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis. lb. .85 - —
kgs., ton lots, same basis. lb. .85 - —
smaller lots, same basis. lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
maroon shades, kgs., ton lots, same basis..lb. 1.05 - —
smaller lots, same basis, lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis. lb. .90 - —
smaller lots, same basis. lb. .95 - —
Selenide, bbls., dark, works..lb. 2.50 - —
light, works.....lb. 2.25 - —
orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40 1-lb. cns., 500 lbs. lb. 5.00 - —
dms., 500-lb. lots.....lb. 4.85 - —
100-lb. lots.....lb. 4.95 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red oxide).
Lake C toner, bbls., same basis alizarin lake, contracts.lb. 1.10 - —
open order.....lb. 1.15 - —
Lithol toner, bbls., same basis, alizarin, lake, contracts.lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .23
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake.....lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech,. dom., bbls. lb. 2.41 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio.....lb. .08½- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .04⅞- —
ex whse., Chicago, St. Louis..lb. .05¼- —
San Fran., Los Ang., Portland, Seattle..lb. .05⅜- —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .08 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .50 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .80
Spanish, oxide, bbls., f.o.b. N.Y. lb. .03¾- —
Toluidine toner, kgs., same basis alizarin lake..lb. 1.20 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 - —
quicksilver, bbls., 5 tons..lb. No prices
smaller lots.....lb. 2.40 - 2.81
Red dyes are listed under Dyes.
Red precipiate, N. F., powd., fib. dms., 50 lbs. or more...lb. 2.66 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works.....lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .12 - .14
Rhodinol, bots.....lb. 5.55 -10.90
Rhubarb, bots.....lb. .55 - .60
powd., bbls., kgs.....lb. .60 - .65
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .22¾- —
smaller lots.....lb. .23¼- —
powd., bbls., 5,000 lbs., 1 ship't..lb. .21¾- —
smaller lots.....lb. .22¼- —
Rose flowers, pale, bls.....lb. .55 - .60
red, bls.....lb. 2.50 - 2.75
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .07 - .08
Rosin, gum, bbls., ex dock, 280 lbs. 6.05 - —
D, bbls.....280 lbs. 6.05 - —
E, bbls.....280 lbs. 6.40 - —
F, bbls.....280 lbs. 6.70 - —
G, bbls.....280 lbs. 6.75 - —
H, bbls.....280 lbs. 6.80 - —
I, bbls.....280 lbs. 6.82½- —
K, bbls.....280 lbs. 6.83 - —
M, bbls.....280 lbs. 6.87½- —
N, bbls.....280 lbs. 6.90 - —
W. G., bbls.....280 lbs. 6.97½- —
W. W., bbls.....280 lbs. 7.45 - —
X, bbls.....280 lbs. 7.45 - —
Rosin, wood, bbls.....280 lbs. 4.75 - 6.50
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton. 25.50 Nom.
l.c.l., f.o.b. mines.....ton. 37.50 Nom.
Rue, bls.....lb. .20 - .35

S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .29 - .30
Saffron, Mexican, bls.....lb. .40 - .42
Spanish, tins.....lb. 31.50 -33.50
Sage, Dalmatian, stemless....lb. .08¾- .09¼
garden, bls.....lb. .09½- .10
Safrol, cns.....lb. .72 - .77
dms. .....lb. .70 - .75
Sago flour, bgs.....lb. .04 Nom.
Salicin, bots., 5 lbs.....lb. 7.04 - —
cns., 25 lbs.....lb. 7.00 - —
Salol, gran., bbls., 200 lbs.....lb. .99 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .99 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton. 13.20 -13.80
l.c.l., bgs., dlvd., N. Y..ton. 15.00 -15.60
vacuum, common, fine, bgs,, c.l., dlvd., N. Y..ton. 15.30 - —
l.c.l., dlvd., N. Y.....ton. 16.60 -19.70
Saltcake, grd., dom., bbls., works, ton. 24.00 Nom.
bulk, works.....ton. 17.00 Nom.
import, bulk, c.i.f.....ton. 20.00 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls..100 lbs. 8.10 - 9.10
1-9 tons.....100 lbs. 8.25 - 9.25
less than ton lots..100 lbs. 8.50 - 9.50
gran., bbls., 10-20 tons, 100 lbs. 7.10 - —
1-9 tons.....100 lbs. 7.25 - —
less than ton lots..100 lbs. 7.50 - —
powd., bbls., 10-20 tons.100 lbs. 8.10 - —
1-9 tons.....100 lbs. 8.25 - —
less than ton lots..100 lbs. 8.50 - —
Santonin, cryst., cns.....kilo. 135.00 -145.00
Saponin, crude, cns.....lb. 2.25 - 2.50
purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls.lb. .40 - .41
Mexico, bls.....lb. .17 - .18
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bbls.....lb. .15 - .16
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .09
resin., lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb. .17⅝- —
smaller lots.....lb. .18⅛- —
kegs, 5,000 lbs., 1 shipm't..lb. .18⅛- —
smaller lots.....lb. .18⅝- —
Selenium, pwd., A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, bls.....lb. .85 - .90
Senna leaves, Alexandria, half leaf, bls.....lb. .15 - .16
siftings, bgs.....lb. .14 - .15
Tinnevelly, No. 1, bls.....lb. .12 - .13
2 bls.....lb. .10 - .11
3 bls.....lb. .08½- .09
powd., bbls., bxs.....lb. .12 - .13
Pods, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. .90 - .95
Shellac, bleached, bonedry, bbls., f.o.b., N.Y...lb. .25 - .26
dlvd., Boston.....lb. .25½- .26½
Chicago.....lb. .25¾- .26¾
Pacific Coast.....lb. .28 - .29
refd., bbls., f.o.b., N.Y.....lb. .31 - .32
dlvd., Boston.....lb. .31½- .32½
Chicago.....lb. .31¾- .32¾
Pacific Coast.....lb. .34 - .35
Garnet, bgs.....lb. .22 - .23
Orange, D.C., VSO., Diamond I. cases..lb. .28 - .29
Superfine, bgs., f.o.b. Bost., N.Y..lb. .17½- .18
dlvd., Chicago.....lb. .18 - .18½
Pacific Coast.....lb. .20½- .21
T.N., bgs., f.o.b. Bost..., N.Y., lb. .16½- .17
dlvd., Chicago.....lb. .17 - .17½
Pacific Coast.....lb. .19½- .20
Varnish, Metro., area, orange, 5-lb. cut., bbls..gal. 1.05 - 1.10
4½-lb. cut, bbls.....gal. 1.00 - 1.05
4-lb. cut, bbls.....gal. .95 - 1.00
white, 5-lb. cut, bbls.....gal. 1.15 - 1.20
4½-lb. cut, bbls.....gal. 1.10 - 1.15
4-lb. cut, bbls.....lb. 1.05 - 1.10
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs. c.l., works.ton. 17.00 - —
l.c.l., 2½ tons, works.ton. 19.00 - —
smaller lots, works.ton. 20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton. 19.00 - —
l.c.l., 2½ tons, works.ton. 21.00 - —
smaller lots, works.ton. 25.00 - —
400 mesh, bgs., c.l., works, ton. 30.00 - —
l.c.l., 2½ tons, works.ton. 35.00 - —
smaller lots, works.ton. 38.00 - —
96-98%, 325 mesh, bgs., c.l., works..ton. 20.00 - —
l.c.l., 2½ tons, works... ton. 21.50 - —
smaller lots, works.ton. 23.00 - —
90%, 325 mesh, bgs., c.l., works..ton. 22.00 - —
bgs., l.c.l., 2½ tons, works, ton. 25.50 - —
smaller lots.....ton. 27.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton. 13.50 - —
l.c.l., works.....ton. 18.50 - —
140 mesh, bgs., c.l., works, ton. 11.00 - —
l.c.l., works.....ton. 16.00 - —
Silver, bullion.....oz. .34¾- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
cyanide, cns., 2,500 ozs.....oz. No prices
1,000 ozs.....oz. No prices
500 ozs.....oz. No prices
80 to 100 ozs.....oz. No prices
Nitrate, vis.....oz. .26⅞- —
Nucleinate, bots., cns., 480-oz. lots..oz. .30 - .31
Proteinate, bots., cns., 480-oz. lots..oz. .29 - .30
Simarubra bark, bls.....lb. .33 - .45
Skatol, bots.....lb. 75.00 -80.00
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15

Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .12 - .14
Smalt, black, extra velvet, cnts., lb. .05 - .08
Blue, cnts.....lb. .07 - .08¾
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .14 - .16
crushed, bls., bbls.....lb. .18 - .20
cut, German, bls., bbls.....lb. .35 Nom.
dom., bbls.....lb. .22 - .23
powd., bbls.....lb. .21 - .23
Soda, acetate, anhyd., dms., dlvd. lb. .08½- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd..lb. .04½- .05
powd., 90%, dms., c.l., dlvd., lb. .06 - —
l.c.l. dlvd.....lb. .06¾- —
Alginate, dms., bbls., works, lb. .71 - .95
Antimoniate, bbls.....lb. .14½- .15
Arsenate, dms., dealers, c.l., works..lb. .07 - .08
l.c.l., dms., works.....lb. .07¾- .08¾
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06½- .07½
l.c.l., dms., works.....lb. .07¾- .09¼
white, dms., c.l., dealers, works..lb. .08 - .09
l.c.l., dms., works.....lb. .08¾- .10¾
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l.. 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works...100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c. l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
c.l., works.....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1. All Northern U. S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia.; Texas, E. of 100° Meridian and S. of 31° parallel; La., Miss., Ala., South of 31° parallel and Fla., in Me., N.H. and Vt. special local zone prices apply for ship't to various counties. Zone 2, Ark. East of 93° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa, (except Davenport) Ga., Minn., Mo. (except St. Louis) N. and S.C., and Tenn. Zone 3, Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso) N. and S.D., Okla., Ark., W. of 93° Meridian. Zone 4, El Paso, Tex., Ariz., Colo., Idaho, Mont., Nev., N.M., Utah and Wyo.

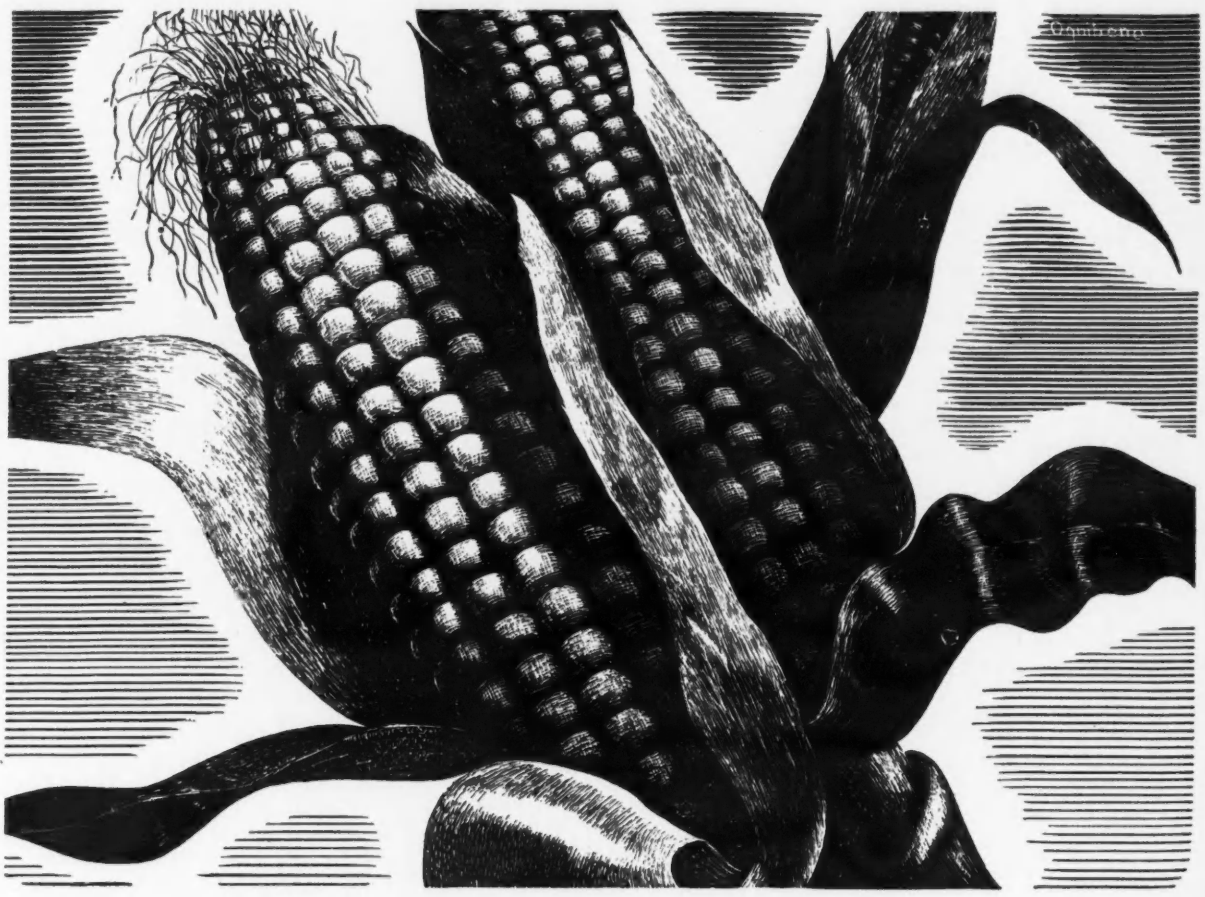
Benzoate, tech., bbls., 4,000 lbs. or more..lb. .30 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
4,000 lbs. or more.....lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd. N. Y...100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N.Y..100 lbs. 2.76 - —
Bichromate, spot., c.l.,works.lb. .06⅞- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07½- —
Bifluoride, bbls.....lb. .11¼- .12
Bisulphite, powd., bbls., c.l., bbls., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
63 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
solution, 85 deg., bbls., c.l., works..100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
44 deg., bbls., works, 100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Cacodylate, 1-kilo bots.....lb. 6.00 - —
Carbonate (see Soda ash, soda monohydrated, soda sal).
ammon, process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
Caustic, flake, 76%, powd., l.c.l., same zone prices as ammonia process.
liquid, 47-49% buyers' tanks, works..100 lbs. 1.92½- —
seller's tanks, works, 100 lbs. 1.95 - —

Soda, caustic, liquid, 70%, buyers' tanks, works..100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76%, ammon. process, dms., c.l., works. 100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon. process.
Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¾- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works.. lb. .08¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .08⅜- —
smaller quantities.....lb. .08⅜- —
Citrate, USP, VIII, gran., bbls., 225-lb. lots..lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100lb. lots.....lb. .25 - —

Soda, citrate, USP XI, powd., bbls., 250-lb. lots..lb. .24½- —
boxes 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 96%, cs.....lb. No price
Cyanide, gold, 46% gold, bots., works..oz.15.85 -17.10
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
Fluoride, white, 90%, bbls., l.c.l., 10 or over same basis..lb. .07½- —
1-9, same basis.....lb. .08 - —
95%, bbls., c.l., same basis, lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
1-9, same basis.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, N.F., cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots, lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 100-lb. lots..lb. .20½- .22
Hypophosphite, N.F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd.100 lbs. 2.25 - —
bbls., same basis...100 lbs. 2.45 - —

Skunk Cab.—Soda Metasilicate

Soda, hypophosphite, crystal., large, l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works...100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., works, lb. 3.10 3.25
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 2.30 - —
bots. .....lb. 2.41 2.47
Mandelate, bots., 5 lbs.....lb. 3.80 - —
fib. dms., 100-lb. lots.....lb. 3.05 - —
smaller lots.....lb. 3.15 - 3.20
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, anhy., dms., c.l., works, frt. equal'd..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y., 100 lbs. 4.65 - —
3-14 dms., same basis..100lbs. 4.80 - —
1-2 dms., same basis..100 lbs. 5.05 - —
gran., bbls., c.l., works....lb. 2.35 - —



Bred from Selected Stock

Produce of the land—or products of the factory—both must be bred from carefully selected stock to win acclaim in the market place. Many manufacturers have won acclaim for their products with the help of Niagara materials—Caustic Soda, Carbonate of Potash and Caustic Potash. When you need these materials think of Niagara as a source of "selected stock" for achieving high quality results.

Niagara ALKALI COMPANY
60 EAST 42nd STREET, NEW YORK, N. Y.
Affiliated with Electro Bleaching Gas Company, Pioneer Manufacturer of Liquid Chlorine

CAUSTIC SODA
CARBONATE OF POTASH
CAUSTIC POTASH

Soda Metasilicate—Uva Ursi

Soda, metasilicate, gran., 10 bbls. and over, dlvd., N. Y..lb. 3.10 - —
1-9 bbls., dlvd. N. Y.....lb. 3.35 - —
Molybdate, kgs., works.....lb. .69 - —
less kgs.....lb. .65 - —
Monohydrated bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing point or ports, rail or boat shipment..ton.29.00 - —
200 lb. bgs., same basis.ton.28.30 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 tons, 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized..lb. .06¾ - —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11½
Soda nitrite l.c.l. price range represents delivery at various points.
Orthosilicate, flake, dms., c.l., works..100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate, briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., bgs., c.l., works..100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 6.10 - —
bbls., c.l., works...100 lbs. 5.35 - —
l.c.l., works.....100 lbs. 6.30 - —
cryst., tech., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.50 - —
bbls., c.l., works...100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.70 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works..lb. 2.20 - —
l.c.l., works.....100 lbs. 2.65 - —
bbls., c.l., works...100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.85 - —
kgs., c.l., works...100 lbs. 2.95 - —
l.c.l., works .....100 lbs. 3.35 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works..lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10¼- —
contracts .....lb. .09½- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhy., bgs., c.l., works, frt. equal'd 100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., dlvd., N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd., N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1...100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and Caustic soda. The sales are also the same.
Sesquisilicate, dms., c.l., works, 100 lbs. 2.90 - —
10 dms. or over, dlvd., N. Y. C..lb. 4.00 - —
1-9 dms.....lb. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. No prices
import, bbls.....lb. .05¾- .06¼
Stannate, dms.....lb. No prices
Stearate, lump, powd., bbls., works .lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works, 100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more....100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks..gal. .32 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
High-flash, dms., works, frt. alld..gal. .31 - —
tanks, same basis.....gal. .26 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .15½- -
l.c.l. .....lb. .16 - —
Soybean protein, bgs., c.l., works, lb. .13¾- -
l.c.l., works.....lb. .14 - —
Sparteine sulphate, cns.....oz. 1.50 - 1.60
Spearmint leaves, bls.....lb. .25 - .28
Spikenard root, bls.....lb. .21 - .22
Spruce extract, reg., bbls., c.l., worksblb. .01⅝- —
tanks, works.....lb. .01¼- —
powd., super, bgs., c.l., works, lb. .01 - —
super, bbls., c.l., works.....lb. .01⅞- —
tanks, works.....lb. .01⅜- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, bls.....lb. .20 - .21
white, bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .15 - .16
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .09 - .11
inedible, bls.....lb. .07 - .09
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.60 - —
dlvd., N. Y.....100 lbs. 2.95 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 2.70 - —
dlvd., N. Y.....100 lbs. 3.05 - —
Potato, dom., bgs.....lb. .06½- —
import, bgs.....lb. .06½ Nom.
Rice, bbls.....lb. .07¼ Nom.
Sweetpotato, bgs.....lb. .05½- .06
bbls. .....lb. .06 - .06½
Wheat, thick, boil, bgs.....lb. .05½ Nom.
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .28 - .30
Stearin, oleo, bbls.....lb. .06¼- .06½
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. .60 - .65
Stramonium leaves, bls.....lb. .18 - .19
Seed, bgs.....lb. .20 - .21
Strontium bromide, fib. dms...lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, N.F., IV, 250-lb. bbls..lb. .30 - —
25-lb. bxs.....lb. .35 - —
100-lb. kgs.....lb. .32 - —
tech., 99-100%, precip., bbls, lb. .23 - —
Chloride, tech., bbls.....lb. .18½- —
Iodide, bots., 5 lbs.....lb. 3.00 - —
jars, 25 lbs.....lb. 3.06 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.40 - 3.50
Styalyl acetate, bots.....lb. 6.75 - 7.00
Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots.. oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100 oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose octa-acetate, denat. grade, bbls, l.c.l., works.lb. .45 - —
tech, bbls, l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .65 - 1.05—
Milk, bbls., c.l.....lb. .16 - —
l.c.l., 10 or over.....lb. .17 - —
less than 10.....lb. .18 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib., dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25 lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-grain bots..bot. 1.25 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts., long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
ex vessels, Atlantic seaboard, contract.long ton.20.50 - —
Puget Sound, Columbia River, and British Columbia ports, bulk, contract.. long ton.22.00 - —
flowers, bgs., c.l., works..... 100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.35 - —
l.c.l., bgs., works....100 lbc. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works, 100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l. bgs., works....100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., works, 100 lbs. 1.60 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 1.98
bbls., works.....100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.85 - —
bbls., works.....100 lbs. 3.20 - —
l.c.l., bgs., works....100 lbs. 3.20 - 3.60
bbls., works.....100 lbs. 3.55 - 3.95
heavy, bgs., c.l., works.100 lbs. 2.55 - —
bbls, works.....100 lbs. 2.90 - —
l.c.l., bgs., works..100 lbs. 2.90 - 3.30
bbls., works.....100 lbs. 3.25 - 3.65
light, bgs., c.l., works..100 lbs. 2.03 - —
bbls., works.....100 lbs. 3.00 - —
l.c.l., bgs., works....100 lbs. 3.00 - 3.40
bbls., works.....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., bbls., works..100 lbs. 2.50 - 2.90
roll, bgs., c.l.....100 lbs. 2.35 - —
bbls., works.....100 lbs. 3.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works.....100 lbs. 2.85 - 3.25
rubber maker's, com'l, 99½%, c.l., frt. alld..100 lbs. 2.00 - —
bbls., same basis, c.l..... 100 lbs. 2.35 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.35 - —
bbls., same basis.100 lbs. 2.70 - —
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works, lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- —
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s..ton.100.00 - —
leaf, f.a.s.....ton.100.00 - —
Extract, 42°, bbls.....lb. .06 - —
51°, bbls.....lb. .07 - —
stainless, bbls.....lb. .07½- .09½
Berries, bgs.....lb. .14 - .15
Sunflower seed, Calif., large, bgs., lb. .07 - .07½
medium, bgs.....lb. .06 - .06½
poultry, bgs.....lb. .05 - .05½
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto., ton. 9.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.50 - —
triple, 40-48%, a.p.a. bulk, f.o.b. Balto..unit-ton. .70 - —

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Talc., dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills, ton.14.00 -16.00
l.c.l., mills.....ton.16.00 -18.00
96-98%, 325 c.l., mills..ton.15.00 -17.00
l.c.l., mills.....ton.17.00 -19.00
98-99½%, 325 mesh, bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
fibrous, 90.85-99.95%, 325 mesh, bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, flake type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills, ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills...ton.11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l., ex whse.....ton.27.50 -35.00
Italian, 1, bgs., ex dock, arrival, ton.67.00 -70.00
ex whse.....ton.75.00 -78.00
2, bgs., ex dock, arrival.ton.64.00 -67.00
Tallow, animal, edible.....lb. .05¾ Nom.
extra, loose.....lb. .05¼- —
special, loose.....lb. .05⅛- —
vegetable, ship, cs.....lb. .06 Nom.
sulphonated, 35% (24% fat), dms., c.l..lb. .03¾ Nom.
l.c.l. .....lb. .04¾ Nom.
50% (43% fat), dms., c.l., lb. .05¼ Nom.
l.c.l. .....lb. .06¼ Nom.
50% (43% fat), dms., c.l..lb. .05¾ Nom.
l.c.l. .....lb. .06¾ Nom.
Tamarind, W. I., bbls.....lb. .07 - .08
kegs .....keg. 6.00 - 8.00
Tankage, animal, dom., grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 3.10 & .10
unground feeding, 9-11% ammon., 15-20% b.p.l., bulk..unit-ton. 3.10 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 3.25 & .10
high-grade feeding, bulk, Chicago..unit-ton. 3.25 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, March shipt..unit-ton. 3.35 & .10
Tansy leaves, bls.....lb. .22 - .23
Tapioca flour, bgs.....lb. .02¾- .04½
Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .26 - —
l.c.l., same basis.....gal. .28 - —
ar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports .....gal. .26 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. .60 - .65
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
powd., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
USP, powd., bbls.....lb. .40 Nom.
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .82 - .85
Terpin hydrate, kgs.....lb. .60 - .65
Terpineol, CP, cns.....lb. .28 - —
dms .....lb. .25 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .12 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, dms., cns.....lb. 2.00 - 2.25
Sodiosalicylate, cns.....lb. 1.95 - —
dms. .....lb. 1.75 - 1.80
5-lb. bots.....lb. 2.11 - —
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works..lb. 2.00 - —
Thyme, French, bls.....lb. .19 - .20
Thymol, dms., 100 lbs.....lb. 1.50 - —
cns., 25 lbs.....lb. 1.55 - 1.60
Iodide, kgs., 50 lbs.....lb. 3.25 - 3.30
25 lbs.....lb. 3.35 - 3.40
Timbo, root, powd., 4% rotenone, bbls..lb. .18 - .24
5% rotenone, bbls.....lb. .22 - .30
Tin chloride (tous), anhyd.....lb. .45½- —
Crystals, bbl., kgs.....lb. .37 - —
Metal, Straits.....lb. .48 - —
Oxide, bbls.....lb. .51 - .53
Tetrachloride, anhyd., bbls....lb. .24 - —
Titanium, dioxide, bgs., c.l., (20 tons), frt. pd..lb. .13 - —
l.c.l., 5 tons, E. frt. pd..lb. .13¼- —
5 tons, E. frt. pd., Pac. Cst., ex whse..lb. .13¼- —
1,000-9,999 lbs., E. frt. pd., lb. .13½- —
Pac. Cst., ex whse..lb. .13½- —
50-999 lbs., E. frt. pd., lb. .13¾- —
Pac. Cst., ex whse..lb. .13¾- —
under 50 lbs., E. frt. pd., lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
bbls., c.l. (20 tons), frt. pd, lb. .13½- —
l.c.l., 5 tons, E. frt. pd...lb. .13¾- —
Pac. Cst., ex whse....lb. .13½- —
1,000-9,999 lbs., E. frt. pd., lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
50-999 lbs., E. frt. pd...lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
bgs., c.l., (20 tons), frt. pd., lb. .15 - —
l.c.l., 5 tons, frt. pd....lb. .15¼- —
1,000-9,999 lbs., frt. pd.lb. .15½- —
50-999 lbs., frt. pd....lb. .15¾- —
Under 50 lbs., frt. pd..lb. .18 - —
bbls., c.l., (20 tons), frt. pd. lb. .15¼- —
l.c.l., 5 tons, E. frt. pd.lb. .15½- —
Pac. Cst., ex whse..lb. .15½- —
1,000-9,999 lbs., E. frt. pd. lb. .15¾- —
Pac. Cst., ex whse..lb. .15¾- —
50-999 lbs., E. frt. pd., lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
barium or magnesium base, bgs., c.l., D. frt. alld.. lb. .05½- —
barium or magnesium base, bgs., l.c.l., dlvd..lb. .05½- —
Pac. Cst., ex whse..lb. .05½- —
under 50 lbs., E. dlvd.lb. .06¼- —
bbls., c.l., D., frt. alld...lb. .05½- —
l.c.l., E., dlvd.....lb. .05¾- —
Pac. Cst., ex whse..lb. .05¾- —
under 50 lbs., E. dlvd.lb. .06½- —
Titanium, calcium base, bgs., c.l., D. frt. alld..lb. .05 - —
l.c.l., dlvd.....lb. .05¼- —
Pac. cst., ex whse.....lb. .05¼- —
under 50 lbs., E., dlvd....lb. .06 - —
bbls., c.l., D., frt. alld.....lb. .05¼- —
l.c.l., E., dlvd.....lb. .05¾- —
Pac. cst., ex whse.....lb. .05¾- —
under 50 lbs., E., dlvd....lb. .06¼- —
Tolidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns.....lb. 1.10 - 1.15
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .30 - —
tanks, E. of Omaha, frt. alld., gal. .25 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .25 - —
1° nitration, dms., returnable, gal. .31½- —
tanks, E. of Omaha, frt. alld., gal. .26½- —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .26½- —
Tonga vine, F, bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .80 - .90
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .78 - .80
tanks .....lb. .75 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l. .....lb. .68 - .70
tanks .....lb. .65 - —
Tributyl citrate, dms., l.c.l., dlvd..lb. .35 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns., works.....lb. .46 - .48
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D. Ga., Neb., except Omaha; S. D., Miss., Ark S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev. Wash., Utah and Cal
Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .34½- —
tech., dms., c.l.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 99%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .09¼ Nom
powdered, bgs.....lb. .12 - .12½
Madras, bgs.....lb. .11 Nom.
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .38 - —
l.c.l., 10 ex dock....gal. .40 - —
5 ex dock.....gal. .42 - —
wood dest., dist., dms., dlvd. E. cities, ports..gal. .29 - .31
tanks, dlvd. E. cities....gal. .25 - —
steam-dist., dms., c.l., dlvd.gal. .35 - —
l.c.l., dlvd.....gal. .38 - —
tanks, dlvd.....gal. .30 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs....lb. 2.65 - —
yellow, kgs.....lb. 1.75 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N.C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton.95.00 - —
5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del..ton.95.00 - —
less than 5 tons, f.o.b. Newark, New York, Philadelphia..ton.101.00 - —
any quantity, f.o.b. Belle, W. Va..ton.95.00 - —
import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt..ton.95.00 - —
46% N., bgs., smaller lots, f.o.b. N. Y. from whse., ton.101.00 - —
purc., cs.....lb. .13 - —
Urea-ammonia liquor, nitrogen basis, tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.121.58 - —
Urea nitrogen, dom., 42% N., bulk, Jan. shipt., f.o.b. Belle, W. Va..ton.57.40 - —
Urea, nitrogen, imported, 40% N., bgs., Jan. shipt..ton.56.25 - —
30% N., bgs., Jan. shipt., ton.42.55 - —
Uva ursi leaves, bls.....lb. .11 - .12

V

Valerian root, bls.....lb. .50 - .55
Valonia, beards, bgs., f.a.s..ton.48.00 - —
Cups, bgs., shipt., f.a.s....on.36.00 -38.00
extract, powdered, 63%.....lb. .0565 Nom.
Vanilla beans, Bourbon, tins..lb. 5.75 - 6.25
Mexican, tins.....lb. 6.00 - 6.50
cuts, tins.....lb. 5.50 - 6.00
South American, tins.....lb. No prices
oleoresin, bots.....lb.18.00 -19.00
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs.....lb. .70 - .75
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .45 - .46
tree .....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.37.50 -38.75
Extract, solid, bgs.....lb. .04¼- —
Wax, bayberry, import, bgs...lb. .25 - .26
Bees, white, bleach, slabs, cs., 5 case lots..lb. .38 - —
1 cs. lots.....lb. .38½- —
cakes, 5 cs., lots.....lb. .39 - —
1 cs., lots.....lb. .39½- —
discs, 5 cns., lots.....lb. .40 - —
1 cs., lots.....lb. .40½- —
yellow, crude, Africa, 10-bg. lots..lb. .26½- .27
1 bg.....lb. .27 - .27½
Brazil, bgs., 5-10 lots..lb. .27 - .27½
1 ton.....lb. .27¼- .28
500 lbs.....lb. .28 - .28¼
100 lbs.....lb. .28½- .29
refd., slabs, cs., lbs.....lb. .31 - .36
Candelilla, bgs., 1 ton.....lb. .18 - .18¼
jobbing lots.....lb. .18½- .19
Carnauba, No. 3 chalky, bgs., 1 ton. .46 - .47
5 bgs.....lb. .46½- .47½
1 bg.....lb. .47 - .48
N. C., 2 bgs., 1 ton.....lb. .56 - .57
N. C., 3 bgs., 1 ton.....lb. .51 - .52
5 bgs.....lb. .51½- .52½
1 bg.....lb. .52 - .53
refined, bgs.....lb. .55 - .56
yellow, No. 1, bgs., 1 ton..ton. .74 - .75
5 bgs.....lb. .74½- .75½
1 bg.....lb. .75 - .76
No. 2, bgs.....lb. .72 - .73
Ceresia, dom., 138°, 140° m.p., bgs., 1 ton..lb. .11½- .12
jobbing lots.....lb. .12½- .13
150°-160° m.p., bgs., 1 ton..lb. .13½- .14
jobbing lots.....lb. .14½- .15
160° m.p., bgs., 1-ton.....lb. .13½- .14
jobbing lots.....lb. .14¼- .15
Japan, cs.....lb. .15½- .16
Montan, bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ozokerite, hard, green, congeal. p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
Snow-white, pure 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P.).
Spermaceti, blocks, cs.....lb. .23 - .24
cakes, cs.....lb. .24 - .25
White lead (see Lead, white).
White pine bark, rossed, bls lb. .07 - .08
White precipitate, powd., 5-lb. bots..lb. 2.47 - —
dms., 50 lbs. or more.....lb. 2.34 - —
Whiting, chalk, com'l., dry-grd., blp. bgs., c.l., works..ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., work.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap. bgs., c.l., works....ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet.-grnd., blp., bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilder's bolted, blp., bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.50
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works..ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
Paris white, blp., bgs., c.l., works..ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works..... ton.22.00 -28.00
pap. bgs., c.l., works .ton.19.60 -25.10
l.c.l., works..... .ton.20.00 -26.50
Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l. ton. 9.65 - —
200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90%, 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
Gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra bgs. (extra), c.l., works, ton.12.50 - —
extra, bgs., l.c.l., 8-20 tons, works..ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs., (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works...ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bgs.....lb. .13 - .14
Witch-hazel extract, dist., NF, bbls..gal. .40 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works, ton.20.00 - —
import, 70 mesh, bgs., ex dock, ton. No prices
50 mesh, bgs., ex dock....ton. No prices.
100 mesh, bgs., ex dock...ton. No prices.
120 mesh, bgs., ex dock...ton. No prices.
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. 5.00 - 6.00
Wormwood, bls.....lb. .18 - .20

X

Xylol (xylene), indus., dms., returnable, works..gal. .23 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
10°, dms., returnable, works, gal. .35 - —
tanks, E. of Omaha, frt. alld, gal. .30 - —
5°, dms., returnable, works, gal. .42 - —
tanks, E. of Omaha, frt. alld..gal. .40 - —
8°, dms., returnable, works..gal. .47 - —
tanks, E. of Omaha, frt. alld..gal. .45 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.55
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .55 - —
bottles, same basis.....lb. .60 - .64
imp., bbl., same basis....lb. .55 - —
Cadmium, CP, import., bxs., lb. 1.35 - 1.70
lithopone, all shades, bbls., 1 ton, works, frt. alld..lb. .50 - —
smaller lots, same basis..lb. .55 - —
lithopone, all shades, kgs., ton lots, same basis..lb. .55 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, bbls., works, lb. .75 - —
Chrome, CP, bbls., dlvd N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.....lb. .13½- —
open order.....lb. .14½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd, Pac. coast, for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome lb. 1.37 - —
primrose shade, bbls., same basis, chrome .lb. 1.75 - —
Mercury oxide (see M)
Ocher, Amer., golden, A, bbls., works lb. .06¾- —
B, bbls., works.....lb. .04¼- —
C, bbls., works.....lb. .05¾- —
yellow, A, bbls., works...lb. .02¼- —
B, bbls., works.....lb. .02¼- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
yellow, G, bbls., works...lb. .01½- —
H, bbls., works.....lb. .01¾- —
French, all shades, cks., c.l., ex dock Balto Boston, N. Orleans, for import, lb. .02475 Nom.
New York (f.o.b.).lb. .02¾ Nom.
Philadelphia for import..lb. .02¾-Nom.
ex dock, San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575 Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02¾ Nom.
ex dock, Phila., for import..lb. .02¾ Nom.
Portland, Seattle...lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto., Boston, N. Orleans..lb. .02725 Nom.
Chicago, E. St. Louis, Indianapolis, Kan. City, Milwaukee, St. Louis.....lb. .03¾ Nom.
New York.....lb. .03 Nom.
l.c.l., ex whse., Pittsburgh, lb. .03¼ Nom.
Portland, Seattle.....lb. .03¾ Nom.
San Pedro, S. Francisco..lb. .03¼ Nom.
f.o.b. N. Y., from dock, lb. .02¾ Nom.
from whse.....lb. .03½ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y..lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06¼- —
l.c.l., same basis.....lb. .06¾- —
Persian orange (See O).
Yellow, zinc, bbls., same basis, chrome CP, contracts..lb. .18 - —
open order.....lb. .19 - —
Yellow dock root, dom., bls....lb. .17 - .18
Yellow root (xanthoriza), bls..lb. .11 - .13
Yerba santa leaves, bls.....lb. .09 - .10
Yohimbine hydrocrloride, via..oz. 4.00 - 4.25

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., works, lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bags.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest, in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls...lb. .31 - —
dms. .....lb. .33 - —
kgs. .....lb. .33 - —
Zinc, chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
USP, 200-lb. dms.....lb. .25 - —
25-lb. jars.....lb. .31 - —
solution, 50%, dms., c.l., works..lb. .0290- —
l.c.l., works.....lb. .04 - .04½
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .33 - —
Dust, bbls., c.l., dlvd.....lb. .07¾- —
l.c.l., bbls., dlvd.....lb. .08¼- —
Iodide, N.F., bots.....lb. 4.35 - —
jars .....lb. 4.20 - —
Fluoride, bbls.....lb. .20 - .25
Metal (see daily quotations in Market report).
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd..lb. .06¼- .07½
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
bgs., l.c.l., ex whse., Pac. cst.....lb. .06½- .07¾
bbls., c.l., dlvd....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cts..lb. .06¾- .08
ex whse., Pac. cst..lb. .06¾- .08
leaded, 5%, bgs., c.l., dlvd., lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06⅝- —
ex whse., Pac. cst.lb. .06⅝- —
bbls., c.l., dlvd....lb. .06⅝- —
l.c.l., dlvd., except Pac. cst..lb. .07⅛- —
ex whse., Pac. cst.lb. .06⅝- —
35%, c.l., dlvd..lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst. lb. .06¼- —
35%, bbls., c.l., dlvd...lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
bgs., l.c.l., ex whse., Pac. cst..lb. .06½- —
50%, bgs., c.l., dlvd., except Pac. cst..lb. .0606- —
dlvd., Pac. cst..lb. .0612- —
l.c.l., dlvd., except Pac. cst..lb. .0631- —
bgs., ex whse., Pac. cst..lb. .0637- —
bbls., c.l., dlvd....lb. .0637- —
l.c.l., ex whse., Pac. Cst. lb. .0662- —
French process, com'l, lead free, bgs., c.l., dlvd., lb. .06¼- .07¼
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
ex whse., Pac. cst.lb. .06½- .07¾
bbls. c.l., dlvd.....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .08 - .08
ex whse., Pac. cst., lb. .06¾- .08
green seal, bgs., c.l., dlvd., lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst.lb. .08¼- —
bbls., c.l., dlvd.....lb. .08¼- —
l.c.l., dlvd., except Pac. cst..lb. .08½- —
ex whse., Pac. cst..lb. .08½- —
red seal, bgs., c.l., dlvd., lb. .07½- —
l.c.l., dlvd., except Pac. cst..lb. .07¾- —
ex whse., Pac. cst..lb. .07¾- —
bbls., c.l., dlvd.....lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —
white seal, bgs., c.l., dlvd. lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08¾- —
ex whse., Pac. cst..lb. .08¾- —
bbls., c.l., dlvd.....lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —
imported, gold seal, cks., ex whse..lb. .13 - .14
green seal, bbls., ex whse., lb. .10 - —
white seal, cks., ex whse., lb. .11 - .12½
USP, bbls., c.l.....lb. .09½- —
Palmitate, bbls.....lb. .24½- .27½
Resinate, fused, pale, bbls..lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .23 - —
l.c.l., 1 ton.....lb. .24 - —
1,000-2,000 lbs.....lb. .25 - —
less than 1,000 lbs...lb. .26 - —
USP, bbls.....lb. .24 - .26
Sulphate, cryst., bgs., c.l., 100 lbs. 2.75 - —
l.c.l. .....100 lbs. 3.50 - —
bbls., c.l.....100 lbs. 2.90 - —
l.c.l. .....100 lbs. 3.65 - —
flake, bgs., c.l.....100 lbs. 3.10 - —
l.c.l. .....100 lbs. 3.85 - —
bbls., c.l.....100 lbs. 3.25 - —
l.c.l. .....100 lbs. 4.00 - —
powd., bgs., c.l.....100 lbs. 4.35 - —
l.c.l. .....100 lbs. 5.10 - —
bbls., c.l.....100 lbs. 4.50 - —
l.c.l. .....100 lbs. 5.25 - —
Sulphide, bgs., c.l., (20 tons), dlvd..lb. .07½- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .07¾- —
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd.....lb. .07¾- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .08 - —
barium, pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd. E. or ex whse. Pac. Cst..lb. .05¼- —
calcium pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd. E. or ex whse. Pac. Cst..lb. .05¼- —
magnesium, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd. E. or ex whse. Pac. Cst..lb. .05½- —
Sulphocarbolate, NF, bbls....lb. .24 - .26
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd., except Pac. cst..lb. .05½- —
ex whse., Pac. cst..lb. .05½- —
Zirconium nitrate kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works..ton.75.00 -100.00
white, 98%, grd kgs., works, lb. 1.80 - 2.00

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

A

Abalyn dms., lots of 10, works, lb. .10 - —
single dms., works.....lb. .12 - —
5-gal. cans, works.....lb. .17 - —
Aroclors, distilled, dms., c.l., works..lb. .23 - —
ton lots, works.....lb. .25 - —
single dms., works.....lb. .27 - —
undistilled, dms., c.l., works, lb. .18 - —
ton lots, works.....lb. .20 - —
single dms., works.....lb. .22 - —

B

Bakelite, alkyd resins, BR, 16025, bbls., 30,000 lbs., works, lb. .32 - —
15,000 lbs., works.....lb. .33 - —
5,000 lbs., works.....lb. .34 - —
XR, 10024, bbls., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
3962, bbls., 30,000 lbs., works..lb. .2460- —
15,000 lbs., works.....lb. .2540- —
5,000 lbs., works.....lb. .2590- —
XK, 6791, dms., 30,000 lbs., works..lb. .2540- —
15,000 lbs., works.....lb. .2590- —
5,000 lbs., works.....lb. .2640- —
11545, dms., 30,000 lbs. works, lb. .3050- —
15,000 lbs., works.....lb. .3150- —
5,000 lbs., works.....lb. .3250- —
12788, dms., 30,000 lbs., works, lbs. .3860- —
15,000 lbs., works.....lb. .3960- —
5,000 lbs., works.....lb. .4060- —
lacquer, BR, 2342, dms., 30,000 lbs., works..lb. .27 - —
15,000 lbs., works.....lb. .28 - —
5,000 lbs., works.....lb. .29 - —
XJ, 10433, dms., 30,000 lbs., works..lb. .37 - —
15,000 lbs., works.....lb. .38 - —
5,000 lbs., works.....lb. .39 - —
XK, 6791, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
4357, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
9366, dms., 30,000 lbs., works..lb. .18½- —
15,000 lbs., works.....lb. .19 - —
5,000 lbs., works.....lb. .19½- —
phenolic, 100%, BR, 254, bbls., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
1329, bbls., 30,000 lbs., works..lb. .25 - —
15,000 lbs., works.....lb. .26 - —
5,000 lbs., works.....lb. .27 - —
2987, bbls., 30,000 lbs., works..lb. .26 - —
15,000 lbs., works.....lb. .27 - —
5,000 lbs., works.....lb. .28 - —
3360, bbls., 30,000 lbs., works..lb. .36 - —
15,000 lbs., works.....lb. .37 - —
5,000 lbs., works.....lb. .38 - —
4036, bbls., 30,000 lbs., works..lb. .37 - —
15,000 lbs., works.....lb. .38 - —
5,000 lbs., works.....lb. .39 - —
6882, bbls., 30,000 lbs., works..lb. .42 - —
15,000 lbs., works.....lb. .43 - —
5,000 lbs., works.....lb. .44 - —
8900, bbls., 30,000 lbs., works..lb. .41 - —
15,000 lbs., works.....lb. .42 - —
5,000 lbs., works.....lb. .43 - —
9476, bbls., 30,000 lbs., 9432, bbls., 30,000 lbs., works..lb. .29 - —
15,000 lbs., works.....lb. .30 - —
5,000 lbs., works.....lb. .31 - —
works..lb. .24 - —
15,000 lbs., works.....lb. .24½- —
5,000 lbs., works.....lb. .25 - —
12784, bbls., 30,000 lbs. works..lb. .30 - —
15,000 lbs., works.....lb. .31 - —
5,000 lbs., works.....lb. .32 - —
13468, bbls., 30,000 lbs., works..lb. .19¾- —
15,000 lbs., works.....lb. .20¼- —
5,000 lbs., works.....lb. .20¾- —
XR, 9517, bbls., 30,000 lbs., works..lb. .29 - —
15,000 lbs., works.....lb. .30 - —
5,000 lbs., works.....lb. .31 - —
10282, bbls., 30,000 lbs., works..lb. .34 - —
15,000 lbs., works.....lb. .35 - —
5,000 lbs., works.....lb. .36 - —
drums, works.....lb. .37 - —
modified, BR, 302, bbls., 30,000 lbs., works..lb. .2870- —
15,000 lbs., works.....lb. .2970- —
5,000 lbs., works.....lb. .3070- —
2072, bbls., 30,000 lbs., works..lb. .23 - —
15,000 lbs., works.....lb. .23½- —
5,000 lbs., works.....lb. .24 - —
2175, cns., 30,000 lbs., works..lb. .2810- —
15,000 lbs., works.....lb. .2910- —
5,000 lbs., works.....lb. .3010- —
2963, bbls., 30,000 lbs., works..lb. .24 - —
15,000 lbs., works.....lb. .24½- —
5,000 lbs., works.....lb. .25 - —
11504, bbls., 30,000 lbs., works..lb. .18 - —
15,000 lbs., works.....lb. .18½- —
5,000 lbs., works.....lb. .19 - —
XR, 11544, bbls., 30,000 lbs., works..lb. .18 - —
15,000 lbs., works.....lb. .18½- —
5,000 lbs., works.....lb. .19 - —
solutions, XJ, 180, dms., 30,000 lbs., works..lb. .1970- —
15,000 lbs., works.....lb. .2020- —
5,000 lbs., works.....lb. .2070- —
2681, dms., 30,000 lbs., works..lb. .2520- —
15,000 lbs., works.....lb. .2570- —
5,000 lbs., works.....lb. .2620- —
6000, dms., 30,000 lbs., works, lb. .2970- —
15,000 lbs., works.....lb. .3070- —
5,000 lbs., works.....lb. .3170- —

Beckacite—Esterol

Beckacite, modified phenolic, 1100, dms., 1-9, frt. pd..lb. .14½- —
1101, dms., 1-9, frt. pd.....lb. .13 - —
1102, dms., 1-9, frt. pd.....lb. .12½- —
1106, dms., 1-9, frt. pd.....lb. .14 - —
1107, dms., 1-9, frt. pd.....lb. .13 - —
1108, dms., 1-9, frt. pd.....lb. .11 - —
1112, dms., 1-9, frt. pd.....lb. .14½- —
1113, dms., 1-9, frt. pd.....lb. .12 - —
1116, dms., 1-9, frt. pd.....lb. .14½- —
P-146, dms., 1-9, frt. pd....lb. .11½- —
P-147, dms., 1-9, frt. pd....lb. .12 - —
1121, dms., 1-9, frt. pd.....lb. .17½- —
1122, dms., 1-9, frt. pd.....lb. .14½- —
nonphenolic, 1110, dms., 1-9, frt. pd..lb. .12¾- —
1111, dms., 1-9, frt. pd.....lb. .13 - —
1114, dms., 1-9, frt. pd.....lb. .12½- —
1120, dms., 1-9, frt. pd.....lb. .13 - —

Beckacite prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less. These prices apply in N. E. and Mid-Atl. States, Ill., Ind., Ky., Mich., Minn., N. C., Ohio, Va., W. Va., Wis., and St. Louis, Mo.; add ¾c. per lb. on less than carloads and ½c. per lb. on carloads to Ark., Iowa, Kan., Mo. (except St. Louis), Neb., N. D., Okla., S. D., all South. States, and Dallas and Houston, Tex.; for Calif. add ¾c. per lb. on less than carloads and ½c. per lb. on carloads of regular items covered by contract, on items not shown in this list and items not covered by contract which must be shipped direct from Detroit, Mich., or Elizabeth, N. J., add 2c. per lb. on less than carloads and 1c. per lb. on carloads; carload prices listed above apply on shipments by water from Elizabeth, N. J., ex dock at Los Angeles, San Francisco, or Seattle; add 2c. per lb. on less than carloads and 1c. per lb. on carloads to Tex. (except Dallas and Houston) and all other points in the U. S. not mentioned in the foregoing.

Beckamine, 3440, ex. lt., dms., 1-9, frt. pd..lb. .21½- —
P-2, dms., 1-9, frt. pd.....lb. .12 - —
P-138, dms., 1-9, frt. pd.....lb. .21½- —
P-196, dms., 1-9, frt. pd.....lb. .24 - —
P-198, dms., 1-9, frt. pd.....lb. .36 - —

Beckamine prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckolin, dark, dms., 1-9, frt. pd..lb. .16½- —
light, dms., 1-9, frt. pd.....lb. .18½- —

Beckolin prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckopol, 1400, dms., 1-9, frt. pd..lb. .17½- —

Beckopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckosol, emulsion, 1500, dms., 1-9, frt. pd..lb. .11¼- —
1501, dms., 1-9, frt. pd.....lb. .12¼- —
Solid, 1, dms., 1-9, frt. pd.....lb. .27 - —
3, dms., 1-9, frt. pd.....lb. .23 - —
7, dms., 1-9, frt. pd.....lb. .23 - —
18, dms., 1-9, frt. pd.....lb. .28 - —
18, dms., 1-9 frt. pd.....lb. .23 - —
Beckosol, solid, 19, dms., 1-9, frt. pd..lb. .28 - —
24, dms., 1-9, frt. pd.....lb. .31 - —
31, dms., 1-9, frt. pd.....lb. .23 - —
32, dms., 1-9, frt. pd.....lb. .22 - —
Solution, nonphenolic, 1309, dms., 1-9, frt. pd..lb. .18½- —
1319, dms., 1-9, frt. pd..lb. .19½- —
1321, dms., 1-9, frt. pd..lb. .17½- —
phenol modified, 1303, dms., 1-9, frt. pd..lb. .13½- —
1304, dms., 1-9, frt. pd..lb. .13½- —
1320, dms., 1-9, frt. pd..lb. .14 - —
1325, dms., 1-9, frt. pd..lb. .13 - —
1328, dms., 1-9, frt. pd..lb. .12 - —
1329, dms., 1-9, frt. pd..lb. .12 - —
phenol modified and oil extended, 1, dms., 1-9, frt. pd. lb. .14½- —
2, dms., 1-9, frt. pd.....lb. .14 - —
1316, dms., 1-9, frt. pd...lb. .15½- —
1326, dms., 1-9, frt. pd...lb. .15 - —
Phenol, pure alkyd, 1306, dms., 1-9, frt. pd..lb. .12½- —
1307, ex. lt., dms., 1-9, frt. pd..lb. .14½- —
light, dms., 1-9, frt. pd.lb. .13½- —
1308, dms., 1-9, frt. pd...lb. .14½- —
1313, ex. lt., dms., 1-9, frt. pd..lb. .13½- —
light, dms., 1-9, frt. pd.lb. .12½- —
1318, dms., 1-9, frt. pd...lb. .17½- —
1323, ex lt., dms., 1-9, frt. lb. .14½- —
light, dms., 1-9, frt. pd.lb. .14½- —
1324, dms., 1-9, frt. pd....lb. .25½- —
1331, dms., 1-9, frt. pd....lb. .12½- —
1332, dms., 1-9, frt. pd....lb. .12 - —
1333, dms., 1-9, frt. pd....lb. .15½- —
1334, dms., 1-9, frt. pd....lb. .13½- —
P-7, dms., 1-9, frt. pd..lb. .14½- —
Beckosol, phenol, pure alkyd.. P-48, dms., 1-9 frt. pd..lb. .12½- —
P-94, dms., 1-9, frt. pd...lb. .16½- —

Beckosol, solid, prices in lots of 10 dms. or more are ¾c. per lb. less than above; in carloads, 1¼c. per lb. less; prices of other Beckosols are ½c. per lb. less in lots of 10 dms. or more, 1c. per lb. less in carloads; all are subject to the same geographical differentials as Beckacite.

C

Cumar, AX, dms., works.....lb. .06 - —
BX, dms., works.....lb. .06 - —
CX, dms., gross weight, works, lb. .05 - —
DX, dms., gross weight, works, lb. .04½- —
EX, dms., gross weight, works, lb. .04½- —
FX, dms., gross weight, works, lb. .05 - —
HDX, dms., gross weight, works..lb. .05¼- —
MH, col. 1, dms., works.....lb. .11 - —
1½-2, dms., works.....lb. .10 - —
2½ and darker, dms., works, lb. .09 - —
9, dms., works.....lb. .06½- —
MS, dms., works.....lb. .10 - —
P, 10°-90° C., col. 8 and darker, dms., works..lb. .10½- —
RH, dms., works.....lb. .10 - —
RS, dms., works.....lb. .10 - —
special soft, dms., works...lb. .10 - —
V, col. ½, dms., works.....lb. .12 - —
1, dms., works.....lb. .11 - —
1½-2, dms., works.....lb. .10 - —
2½ and darker, dms., works, lb. .09 - —
W, col. ½, dms., works.....lb. .13 - —
1, dms., works.....lb. .12 - —
1½-2, dms., works.....lb. .11 - —
2½ and darker, dms., works, lb. .10 - —

Cumar prices include frt. equald., with Pittsburgh; prices on contracts terminating Dec., 1940, are ¼c. per pound lower.

D

Durez, 202, dms., 30,000 lbs., works..lb. .36 - —
l.c.l., works.....lb. .38 - —
209, dms., 30,000 lbs., works.lb. .13½- —
l.c.l., works.....lb. .14 - —
210, dms., 30,000 lbs., works.lb. .14½- —
l.c.l., works.....lb. .15 - —
220, dms., 30,000 lbs., works.lb. .15 - —
l.c.l., works.....lb. .15½- —
500, dms., 30,000 lbs., works.lb. .32 - —
l.c.l., works.....lb. .33 - —
525, dms., 30,000 lbs., works.lb. .23 - —
l.c.l., works.....lb. .25 - —
550, dms., 30,000 lbs., works.lb. .29 - —
l.c.l., works.....lb. .30 - —
570, dms., 80,000 lbs., works.lb. .44 - —
l.c.l., works.....lb. .45 - —

Durez c.l. prices also apply on mixed cars; three-month contracts are for price protection only; for Pacific Coast and Gulf points, ex warehouse, add 3c. per lb.

Durite, 1,301 pale, one drum and over..lb. .25 - —
smaller lots.....lb. .26 - —
1,321, c.l.....lb. .40 - —
2,000 lbs. to c.l.....lb. .41 - —
smaller lots.....lb. .42 - —

All Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

E

Esterol, solid, Grade A, c.l., dlvd. lb. .23 - —
10 dms. or more, dlvd....lb. .22½- —
9 dms. or less, dlvd....lb. .22½- —
B, c.l., dlvd.....lb. .21½- —
10 dms. or more, dlvd....lb. .21¼- —
9 dms. or less, dlvd....lb. .21 - —
D, c.l., dlvd.....lb. .21½- —
10 dms. or more, dlvd....lb. .21¼- —
9 dms. or less, dlvd....lb. .21 - —
H-I, c.l., dlvd.....lb. .23 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms. or less, dlvd....lb. .22½- —
PV, c.l., dlvd.....lb. .21½- —
10 dms. or more, dlvd....lb. .21¼- —
9 dms. or less, dlvd....lb. .21 - —
I-L, c.l., dlvd.....lb. .23 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms. or less, dlvd....lb. .22½- —
575, c.l., dlvd.....lb. .23 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms. or less, dlvd....lb. .22½- —
701, c.l., dlvd.....lb. .23 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms. or less, dlvd....lb. .22½- —
750, c.l., dlvd.....lb. .21 - —
10 dms. or more, dlvd....lb. .20¾- —
9 dms. or less, dlvd....lb. .20½- —
809, c.l., dlvd.....lb. .23 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms. or less, dlvd....lb. .22½- —
830, c.l., dlvd.....lb. .23½- —
10 dms. or more, dlvd....lb. .23¼- —
9 dms. or less, dlvd....lb. .23 - —
Solution, Grade A, c.l., dlvd..lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
B, c.l., dlvd.....lb. .11¾- —
10 dms. or more, dlvd....lb. .12¼- —
9 dms. or less, dlvd....lb. .12¾- —
D, c.l., dlvd.....lb. .11¾- —
10 dms. or more, dlvd....lb. .12¼- —
9 dms. or less, dlvd....lb. .12¾- —
E, c.l., dlvd.....lb. .14 - —
10 dms. or more, dlvd....lb. .14½- —
9 dms. or less, dlvd....lb. .15 - —
H-I, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —
PV, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
I-L, c.l., dlvd.....lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
562, c.l., dlvd.....lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
575, c.l., dlvd.....lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
640-N, c.l., dlvd.....lb. .12 - —
10 dms. or more, dlvd....lb. .12½- —
9 dms. or less, dlvd....lb. .13 - —
660-N, c.l., dlvd.....lb. .10½- —
10 dms. or more, dlvd....lb. .11 - —
9 dms. or less, dlvd....lb. .11½- —
701, c.l., dlvd.....lb. .12 - —
10 dms. or more, dlvd....lb. .12½- —
9 dms. or less, dlvd....lb. .13 - —
747, c.l., dlvd.....lb. .11¼- —
10 dms. or more, dlvd....lb. .11¾- —
9 dms. or less, dlvd....lb. .12¼- —
750, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
809, c.l., dlvd.....lb. .12 - —
10 dms. or more, dlvd....lb. .12½- —
9 dms. or less, dlvd....lb. .13 - —
830, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —

No. 2040 C. P. CHROME ORANGE
EXTRA DARK

No. 2040 possesses the best grinding and working properties of any color pigment of this type now on the market.

This outstanding chemical color is a rich, extra deep shade of basic lead chromate. It is a very clean and exceptionally strong color and is often referred to as the best chemical color available for making international orange according to Federal Specifications TT-P-59 and Navy Specifications RM-135-1. This particular color is used extensively by the Army, Navy, and Marine Corps for display marking.

No. 2040 is another example of the outstanding quality of the R.C.I. complete line of chemical colors. Your inquiries are invited.

REICHHOLD CHEMICALS, INC.
Chemical Color Division
General Offices: DETROIT, MICH.
Factory: BROOKLYN, N. Y.

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REICHHOLD Chemical Colors

Esterol, solution, 1800, c.l., dlvd., lb. .12¼- —
10 dms. or more, dlvd....lb. .12¾- —
9 dms. or less, dlvd.....lb. .13¼- —
1825, c.l., dlvd.....lb. .14 - —
10 dms. or more, dlvd....lb. .14½- —
9 dms. or less, dlvd.....lb. .15 - —
2185, c.l., dlvd.....lb. .10½- —
10 dms. or more, dlvd....lb. .11 - —
9 dms. or less, dlvd.....lb. .11½- —
2195, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd.....lb. .14½- —
2633, c.l., dlvd.....lb. .11½- —
10 dms. or more, dlvd....lb. .12 - —
9 dms. or less, dlvd.....lb. .12½- —
2600, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd.....lb. .16 - —

Esterol resin prices listed above prevail only for delivery to Me., N. H., Vt., Mass., R. I., Conn., Ill., N. Y., N. J., Pa., Del., Md., Va., W. Va., N. C., Ky., Ohio, Mich., Ind., St. Louis, Mo., Wis., and Montreal and Toronto, Can. Add ¼c. per lb. to quoted prices for delivery to Ala., Ark., Fla., Ga., Iowa, Kan., La., Minn., Mo. (except St. Louis), Miss., Neb., N. D., Okla., S. C., S. D., Tenn. and Dallas and Houston, Tex. Add ¾c. per pound for delivery to Ariz., Colo., Idaho, Mont., Nev., N. M., Tex. (except Dallas and Houston), Utah, Wyo., and other points in the United States and Canada not listed above.

G

G. resin, dms., gross weight, works..lb. .07½- —

G resin prices on contracts terminating Dec., 1940, are ¼c. per pound lower; Los Angeles and San Francisco ex warehouse, 3c. per pound extra.

Guai-a-phene, 10-gal. cns., works, gal. 2.57 - —
5-gal. cns., works.....gal. 2.62 - —
1-gal. cns., works.....gal. 2.82 - —
dms., works.....gal. 2.50 - —

H

Hercolyn, dms., lots of 10, works, lb. .15 - —
single dms., works.....lb. .17 - —
cns, works.....lb. .22 - —
Hydrogum, c.l., dms., frt. pd..lb. .14 - —
l.c.l., 10 dms., frt. pd.....lb. .14½- —
1-9 dms., frt. pd.....lb. .15 - —

Hydrogum prices are subject to the same geographical differentials as Beckacite.

K

Kadox (zinc oxide), black or red label, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd. E. of Rockies.lb. .06¾- —
Pac. coast, ex whse.....lb. .06¾- —
bbls., c.l., dlvd.....lb. .06¾- —
l.c.l., dlvd. E. of Rockies.lb. .07 - —
Pac. coast, ex whse.....lb. .07 - —
No. 25, bgs., c.l., dlvd.....lb. .07½- —
l.c.l., dlvd. E. of Rockies, lb. .07¾- —
Pac. coast, ex whse....lb. .07¾- —
bbls., c.l., dlvd.....lb. .07¾- —
l.c.l., dlvd. E. of Rockies, lb. .08 - —
Pac. coast, ex whse....lb. .08 - —
Katalised oil, 666, dms., c.l., frt. pd..lb. .23½- —
l.c.l., frt. pd.....lb. .23 - —

Katalised oil prices are subject to the same geographical differentials as Beckacite.

Kopol, 500, dms., 1-9, frt. pd..lb. .18½- —
501, dms., 1-9, frt. pd.....lb. .16½- —
502, dms., 1-9, frt. pd.....lb. .15 - —

Kopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

R-C copal, cracked nut, dms., c.l., frt. pd..lb. .12 - —
l.c.l., frt. pd.....lb. .12½- —

R-C copal prices are subject to the same geographical differentials as Beckacite.

L

Lewisol resin, modified alkyd, No. 1, c.l., dlvd..lb. .11¼- —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .11¾- —
smaller quantities, dlvd.lb. .12¼- —
No. 2, c.l., dlvd.....lb. .12 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .12½- —
smaller quantities, dlvd.lb. .13 - —
No. 2L, c.l., dlvd.....lb. .12¼- —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .12¾- —
smaller quantities, dlvd.lb. .13¼- —
No. 3, c.l., dlvd.....lb. .16½- —
l.c.l., 10 dms., dlvd.....lb. .17½- —
1-9 dms., dlvd.....lb. .18½- —
No. 18, c.l., dlvd.....lb. .11 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .11½- —
smaller quantities, dlvd.lb. .12 - —
No. 24, c.l., dlvd.....lb. .12 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .12½- —
smaller quantities, dlvd.lb. .13 - —
No. 28, c.l., dlvd.....lb. .12 - —
l.c.l., 8 dms., dlvd.....lb. .12½- —
1-7 dms., dlvd.....lb. .13 - —
No. 33, c.l., dlvd.....lb. .12¼- —
l.c.l., 8 dms., dlvd.....lb. .12¾- —
1-7 dms., dlvd.....lb. .13¼- —
Modified phenolics, No. 101, c.l., dlvd..lb. .17½- —
l.c.l., 8 dms., dlvd.....lb. .18 - —
1-7 dms., dlvd.....lb. .18½- —
No. 115, c.l., dlvd.....lb. .10½- —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .11 - —
smaller quantities, dlvd.lb. .11½- —
No. 120, c.l., dlvd.....lb. .12 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .12½- —
smaller quantities, dlvd.lb. .13 - —
No. 125, c.l., dlvd.....lb. .11 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .11½- —
smaller quantities, dlvd.lb. .12 - —
No. 150, c.l., dlvd.....lb. .13½- —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .14 - —
smaller quantities, dlvd.lb. .14½- —
No. 300, c.l., dlvd.....lb. .30 - —
l.c.l., 8 dms., dlvd.....lb. .30½- —
1-7 dms., dlvd.....lb. .31 - —
No. 305, c.l., dlvd.....lb. .11 - —
l.c.l., 8 dms., dlvd.....lb. .11½- —
1-7 dms., dlvd.....lb. .12 - —
No. 310, c.l., dlvd.....lb. .13½- —
l.c.l., 8 dms., dlvd.....lb. .14 - —
1-7 dms., dlvd.....lb. .14½- —
No. 320, c.l., dlvd.....lb. .13 - —
l.c.l., 8 dms., dlvd.....lb. .13½- —
1-7 dms., dlvd.....lb. .14 - —

Esterol—Paranol

N

Nevillac, pale, hard, dms., works, lb. .16 - —
hard, 85-95° C, dms., works..lb. .15 - —
soft, 65-75° C, dms., works..lb. .15 - —

Nevillac prices on contracts terminating Dec., 1940, are ½c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra.

Neville resin, R-1 nevindene, col. ½, dms., works..lb. .13 - —
R-3, nevindene, col. 1, dms., works..lb. .12 - —
R-5, nevindene, col. 1½-2, dms., works..lb. .11 - —
R-6, nevindene, col. 2½-3½, dms., works..lb. .10 - —
R-7, N.P.S., col. below 3, dms., works..lb. .12 - —
R-8, N.P.S., col. below 3, dms., works..lb. .12½- —
R-9, hard, col. ½, dms., works..lb. .12 - —
R-10, hard, col. 1, dms., works..lb. .11 - —
R-11, hard, col. 1½-2, dms., works..lb. .10 - —
R-12, hard, col. 2½-3½, dms., works..lb. .09 - —
R-13, medium, col. ½, dms., works..lb. .12 - —
R-14, medium, col. 1, dms., works..lb. .11 - —
R-15, medium, col. 1½-2, dms., works..lb. .10 - —
R-16, medium, col. 2½-4, dms., works..lb. .09 - —
R-16-A, medium, col. 7-10, dms., works..lb. .06½- —
R-17, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-19, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-21, soft, col. 3½-8, dms., works..lb. .10 - —
R-22, special, soft, col. 3½-8, dms., works..lb. .10 - —
R-27, medium soft, col. 1, dms., works..lb. .12½- —
R-28, medium soft, col. 1½-2, dms., works..lb. .11½- —
R-29, medium soft, col. 2½-8, dms., works..lb. .10½- —

Neville resin prices are freight equalized with Phila.; prices on contracts terminating Dec., 1940, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra.

Nevillite, "V," water-white, 100-lb. dms., works..lb. 1.25 - —
No. 1, water-white, 100-lb. dms., works..lb. .65 - —
No. 2, prime-white, 100-lb. dms., works..lb. .55 - —
No. 3, very light straw, 100-lb. dms., works..lb. .50 - —
No. 4, very light straw, 100-lb. dms., works..lb. .42 - —
oil, dms., works.....lb. 1.40 - —
465, 110-125°C., dms., gross weight, works..lb. .03 - —
Nevinol, dms., works.....lb. .13 - —
oil, heavy, rfd., dms., works, lb. .10 - —
Nuba, 1, 80-95°C., dms., gross weight, works..lb. .0265- —
2, 100-125°C., dms., gross weight, works..lb. .0265- —
3x, 135-150°C., dms., gross weight, works..lb. .04 - —

Nuba resin prices on contracts terminating December, 1940, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra.

P

Paradene, No. 1, 75-99°C., dms., gross wt., works..lb. .04½- —
2, 100-124°C., dms., gross wt., works..lb. .04½- —

Paradene prices on contract, terminating Dec., 1940, are ¼c. lower; prices are freight equalized with Philadelphia, Pa.

Paradura resin, grade AV, c.l., dlvd..lb. .25½- —
10 pkgs. or more, dlvd.....lb. .26½- —
9 pkgs. or less, dlvd.....lb. .27½- —
C, c.l., dlvd.....lb. .29½- —
10 pkgs. or more, dlvd.....lb. .30½- —
9 pkgs. or less, dlvd.....lb. .31½- —
10-P, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd.....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —
46, c.l., dlvd.....lb. .21½- —
10 pkgs. or more, dlvd.....lb. .22½- —
9 pkgs. or less, dlvd.....lb. .23½- —
273, c.l., dlvd.....lb. .23 - —
10 pkgs. or more, dlvd.....lb. .24 - —
9 pkgs. or less, dlvd.....lb. .25 - —
367, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd.....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —
540, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd.....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —

Paranol resin, extra hard, No. 1, c.l., dlvd..lb. .14½- —
10 pkgs. or more, dlvd.....lb. .15 - —
9 pkgs. or less, dlvd.....lb. .15½- —
Extra hard, No. 2, c.l., dlvd.lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
Extra hard, No. 3, c.l., dlvd.lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
Hard, No. 1, c.l., dlvd.....lb. .12½- —
10 pkgs. or more, dlvd.....lb. .13 - —
9 pkgs. or less, dlvd.....lb. .13½- —
Hard, No. 2, c.l., dlvd.....lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —
Hard, No. 3, c.l., dlvd.....lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
100, c.l., dlvd.....lb. .15½- —
10 pkgs. or more, dlvd.....lb. .16 - —
9 pkgs. or less, dlvd.....lb. .16½- —
105, extra light, c.l., dlvd...lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —
105, dark, c.l., dlvd.....lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
105-B, extra light, c.l., dlvd.lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
200, c.l., dlvd.....lb. .16 - —
10 pkgs. or more, dlvd.....lb. .16½- —
9 pkgs. or less, dlvd.....lb. .17 - —
500, hard, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
500, extra hard, c.l., dlvd...lb. .16 - —
10 pkgs. or more, dlvd.....lb. .16½- —
9 pkgs. or less, dlvd.....lb. .17 - —
800, extra light, c.l., dlvd....lb. .14½- —
10 pkgs. or more, dlvd.....lb. .15 - —
9 pkgs. or less, dlvd.....lb. .15½- —

—Continued on page 35

Look at These New GLYPTAL UNITS

Two new units in construction

They aren't quite ready to go—but there's a world of meaning behind them.

• • •

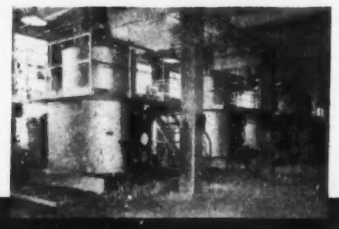
This is already the fourth expansion of the Glyptal plant since 1932 when General Electric began selling Glyptal Alkyd Resins to manufacturers of finishes.

These new units will add appreciably to our production capacity and provide the continuance of prompt service.

They will have the same high-precision electrical heat controls and the same stainless steel construction which you see pictured here in our present plant.

Have you tried our new Glyptal 2475 Alkyd Resin? Its price is low—but its performance is outstanding. Send for a sample.

Section M-0523, Appliance and Merchandise Department, General Electric Company, Bridgeport, Connecticut.



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DUREZ PLASTICS & CHEMICALS, INC.

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Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison

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Vol. 137 March 4, 1940 Number 10

No Substitute Will Do

It is difficult to find any substantial reason for the introduction of the latest Wagner labor bill (S. 3410) in Congress. This bill would do nothing other than make some changes in the functional agency in the Department of Labor which has the duty of proffering its services in the mediation of differences between employers and employees, or of performing such services when invited by either or both of the parties at odds.

Extension of the existing conciliation staff of the Department of Labor, which is being advocated, would do as much as the proposed legislation for the improvement of labor relations. Neither would do enough; because, for some reason and in spite of the successful and satisfactory functioning of the railroad labor mediation agency, neither would make mediation mandatory in the event that voluntary efforts of the two parties involved made no progress toward adjustment of their differences.

It is difficult to escape the assumption that the chief motive behind the new Wagner bill is a desire to prevent necessary revision of the labor relations act. It is difficult to understand why such a desire should have a controlling influence on a member of Congress who should be open-minded even to his own earlier failure to reach the full, professed objective of legislation which he sponsored. It is more difficult to understand why both such a member of Congress and those who have spoken in the matter for the Department of Labor are opposed to making compulsory the impartial mediation of disruptions of employer-employee relations which seriously interfere with the freedom of national business activity; although it might be assumed that there is more of partiality than there should be in the specifically narrow name of the Department of Labor.

No matter what sort of diverting legislation may be laid before it; no matter what the good that has been done by the conciliatory agency in the Department of Labor, Congress cannot honestly disregard its duty to emend the labor relations law for the sake of equity and efficacy.

One Agency for All

Talk there is—and it grows from year to year—in Washington, in the capitals of the several States, and in at least the larger municipalities of the need that there be created among the agencies of government a department of the consumer. Well, why not? Everybody is a consumer. Why should not this unanimous constituency have its representation in the government which, so it has been earnestly declared, should and does exist of, for, and by the people?

That the answer is usually negative in so many minds must be laid to the fact that the creation of a department of the consumer is not sought and advocated by consumers, but by those who, by virtue of self-appointment, set up to speak for the consumer but in terms which are no more indicative of consumers' desires than they are of the martial plans of Alexander the Great. These misguiding spokesmen, unfortunately, are all that the consumers have, because those whose purpose it is to serve the consumer to the best of their ability—and that goes for the majority of business—have failed to realize that all legislative endeavors and enactments directed to their regulation have the objective of the consumer's welfare as this is represented to the makers of laws. And this representation is not all inaccurate or erroneous, although its results often go wide of the mark.

Legislation and governmental agencies for its application should be designed for the good of all. Because business is almost all, the logical purpose of governing, in law and in agency, would be to serve business. The difficulty is that business is a divided house, and each division, as is the way of humankind, seeks first and last its own. Poor leadership in each division is the reason—shortsightedness. selfishness, inconsideration are the motivating forces. It is obvious that these can never lead to satisfaction for even one division, because their influence aggravates, rather than mitigates, differences which induce strife.

The real need in governmental agencies is for a department of business, adequately and equitably representative of business as a whole. This whole, like that of ancient Gaul, has three parts—production, distribution, and consumption. These parts are far more closely welded than were those of which Caesar wrote; they are not divisions, but coherent, integral parts; none complete in itself; each essential. They should be represented as such in all purposes, in all activities, and especially in all governmental functioning. Of course, that is what a democracy is supposed to be; but a congeries of oligarchies is what it practically is. That is why the consumer part of business in reality is a division, and naturally it seeks its place among the governing groups.

—O-P-D—

Aid to Public Relations

The drug and cosmetic industries are particularly fortunate in having a most efficacious means of developing desirable and profitable relations with consumers of their products. This is the Federal food, drug, and cosmetic law, which is at the same time an assurance of protection of the consumer's interest and a code of guidance for the industries in their relations with the public.

If the drug and cosmetic industries will but set themselves the duty of presenting and explaining this law to the public, emphasizing their endeavors to comply with its requirements and to apply these to the correction of competitive unfairness on the part of recalcitrant manufacturers, they will not only spike the guns of malicious misrepresentation, but also will create in the public mind an acceptance of the high purpose of their services. These are both well worth while. The means of their effectuation certainly is preferable to the squabbling which now exists and which accomplishes nothing.

The necessary position of the governmental enforcement agency under the food, drug, and cosmetic law is merely that of a monitor; the effective application of the law is opportunely a matter of properly developed public relations of the industries. Because that agency manifests a commendable attitude to counsel and advise, the process of such application can be friendly indeed.

—O-P-D—

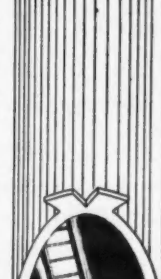
It Will Be Fair Weather

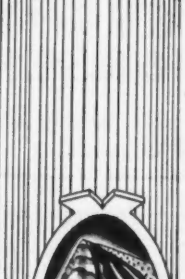
"For it's always fair weather when good fellows get together"—and so, whatever the Weather Man may dispense for the occasion, the atmosphere will be pleasing with a full measure of good fellowship when the members of the drug, chemical, and allied trades of the New York metropolitan area get together March 14 for their fifteenth annual dinner. Good fellowship, on and for which this annual get together was established, has been plentifully developed during its years. This dinner is a symbol of the neighborliness and friendliness that can be brought into the relationships of business if and when men set their minds to the bringing.

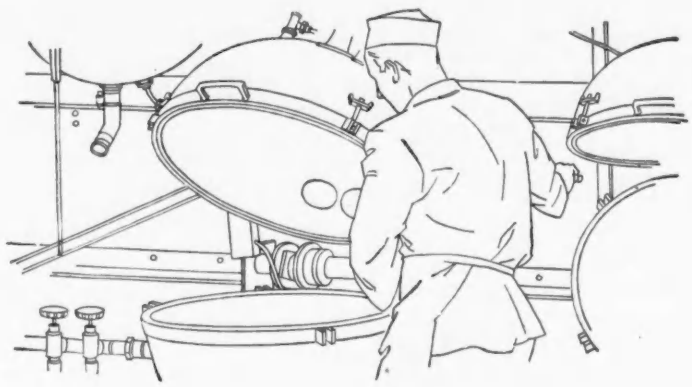
In spite of the paucity of opportunity for neighborly contacts and friendly congress that is characteristic of a metropolis, the drug, chemical and allied trades of this country's most populous community have developed such association to a marked extent mainly by means of their annual round-ups. The twelve-month intervals often pass without a meeting of this one and that among them, with nothing tangible in manifestation of their relationships but the routine communications of business. But, even these communications have acquired a new and better aspect because of first-hand, face-to-face acquaintanceship that began at one of the annual dinners.

Understanding has quite naturally followed the getting acquainted. Distant hills may be more attractively blue, but men who are worth knowing are best at close range. These are the kind of men who have met at the drug and chemical dinners. New ones come to the meeting place from year to year; are found worthy; and are admitted to the group of those who understand. The veterans look forward to their reunions with increasing eagerness and pleasant anticipation. The group has grown immensely, but it cannot be said to have got too large. A common purpose has given it adhesion; good fellowship has provided cohesion through engendered understanding. And the participating trades have profited in many ways.

So, there will be fair weather when these good fellows again get together. And the best part of it all is that, thus foregathering, they have become—and their ranks increase—quite other than fair-weather friends.







A Tribute to the Confectionery Industry

There are men and women yet alive who can remember when the tradition still persisted that the only really fine confections were imported confections. The astonishingly rapid growth of the domestic confectionery industry in both size and prestige has been due to the courage and integrity of the men who developed this industry with its modern high standards of quality and purity. Chas. Pfizer & Co. is proud to have served this great industry continuously, almost since its inception—and particularly proud of the fact that Pfizer's own rigidly high standards have contributed to the fine quality and purity of products which are so vitally related to the national health, especially the health of the nation's children.

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Heavy Chemicals

Arsenate of Lead and Calcium Arsenate Schedules Reduced —Bordeaux Mixture and Paris Green Prices Renewed —Tin Salts Higher—January Exports Favorable

The character of business in the market for heavy chemicals experienced little change last week. Buying was steady against contracts for necessary replacements. A better buying movement was uncovered in spots, but was not sufficient to bolster the volume of the general market. Industrial operations appeared more favorable, with indications that the recent recession has about run its course, and Spring buying would increase operations at least moderately.

The insecticide division provided the principal price movements. A leading producer released new schedules for arsenate of lead and calcium arsenate, showing sharp reductions. The new prices apply to all buyers for car lot quantities, including consumers, distributors and dealers. Other producers did not immediately follow the lower prices, and as far as could be learned only one has met the new listing. Dealers' prices for bordeaux mixture and arsenite of zinc were released at the same levels.

Exports of industrial chemicals during January continued at a high level, totaling $4,189,000, compared with $5,047,000 in December, 1939, and only $1,770,000 in January, 1939, according to the Department of Commerce figures. Exports during February were believed to be below the January levels, but well ahead of the same time a year ago. Imports during January were $1,408,000, against $1,120,000 in January a year ago.

Alums.— Trading was steady against contracts for necessary replacements. Quotations for ammonia, potash and soda were firm.

Alumina Hydrate.—Dealings in the light and heavy materials were routine. Pricewise a steady to firm tone prevailed.

Ammonia, Anhydrous.—Interest in the commercial grade continued at seasonal levels. No change was disclosed in the quotations.

Ammonia, Aqua.—Demand was confined to moderate quantities in most instances. No change occurred in the quotations, and the tone of the market was firm.

Ammonia Bicarbonate.—Buying was of a routine character. Quotations were in conformity with those established previously.

Ammonia Bifluoride.—Prices were maintained at the same levels. Business was light.

Ammonia Nitrate.—The position of the market continued strong. Prices were without change. Transactions were of a moderate nature.

Ammonia Perchlorate.—Usual consumers entered the market for necessary requirements as a rule. Supplies were adequate to meet normal needs.

Ammonia Silicofluoride.—No further price developments were uncovered in this direction. Interest in the market failed to broaden.

Ammoniac, Sal.—Shipments moved to regular consuming channels steadily. Sellers continue to report progress in clearing up backlogs. Prices ruled firm.

Artimony.—Price for domestic spot metal was unchanged, with takings confined to small lots. Trading in the needle and oxide of antimony lacked any change.

Arsenic.—Buying of the white was fairly steady, and prices were unchanged and firm. Withdrawals of the red were not large, and quotations held at the same levels.

Barium Salts.—Quotations for the dioxide ranged from 10c. to 15c. per pound, according to quantity. The unground oxide was quoted at 8c. to 12c. per pound, with the ground available at 11c. to 15c. per pound, depending on quantity. Other barium derivatives remained at the levels in force previously.

Bleaching Powder.—Business in this direction failed to broaden. Less export inquiry was reported. No change was disclosed in the quotations.

Blue Vitriol (Copper Sulphate).—Buying continued satisfactory, both for domestic and export account. Increased interest for agricultural purposes was looked for. No further change occurred in the prices, and the tone of the market was firm.

Calcium Carbide.—Demand from domestic channels was moderately active. Export inquiries were satisfactory. Prices were firm. Norway exported 49,990 metric tons during the first nine months of 1939, an increase of 50 percent over the corresponding period in 1938. Great Britain alone accounted for 47,903 tons of the 1939 figure.

Calcium Chloride.—Active interest for ice control work, call for miscellaneous purposes held up well. Prices were without change.

Chlorine.—While volume lacked any improvement, withdrawals were sufficient to keep the position of the market favorable. Prices were unchanged, and the tone of the market was firm.

Cobalt Oxide.—Sellers were able to take care of regular consumer requirements, recent arrivals from Belgium bolstered the rather small stocks here. Prices were firm.

Copper.—Market turned dull. Price is unchanged at 11½c. per pound. Export market slightly lower at 11.70c. per pound, f.a.s., and business quiet. Outside market ranged from 11⅞c. to 11¾c. per pound. Total January exports reached a new high aggregating 57,000 tons, against 56,000 tons in December, according to American Bureau of Metal Statistics.

Copper Salts.—Shipments against contracts were fairly steady. Prices for various derivatives were steady to firm, and quotations lacked any change.

Copperas.—Movement to regular

Price Changes

Advanced

Tin, Straits, 1⅝c. per lb.
crystals, ½c. per lb.
stannous chloride, anhy., ½c. per lb.
tetrachloride, anhy., 1c. per lb.

Reduced

Calcium arsenate, c.l., ¾c. per lb.
l.c.l., ¼c. per lb.
Lead arsenate, c.l., 2½c. per lb.
l.c.l., 2c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
150.6	**153.8**	**152.5**	**146.9**

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	**101.6**	**101.6**	**99.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

consuming channels was sufficient to absorb available quantities. Prices were unchanged and firm. The Egyptian Ministry of Public Health, anticipating difficulties in obtaining necessary supplies of aluminum sulphate for treatment of public water supplies, has experimented with copperas as a coagulant. Existing sulphur acid manufacturers have offered to make copperas, but have requested protection against imports of aluminum sulphate for a period of years prior to making investment for plant. The proposal is being studied by a special committee appointed by the Ministry of Commerce and Industry, according to the American commercial attache at Cairo.

Fluorspar.—Movement of material was not very active, weather conditions continued to be a factor, while most consumers have adequate supplies on hand for the present. Prices were unchanged.

Manganese Dioxide. — Withdrawals against contract constituted the bulk of the business, with comparatively little offered for spot. Prices were firm.

Nickel Salts. — A better buying movement was underway in the market, with a broader interest exerted by the plating trade. Pricewise a firm tone prevailed.

Potash Carbonate.—Market position continued firm. Consumers entered market for fair size replacements against contracts. Sellers were pretty well caught up on back orders.

Potash, Caustic.—A steady buying interest remained in evidence. Supplies were adequate to meet need of regular consumers. Prices were firm.

Potash Clorate.—No weakness occurred in the prices, although pressure for delivery was much less, and supplies were adequate to take care of consumers needs.

Potash, Cyanide.—Stocks were limited, some material was offered on spot at $1.25 per pound. Demand was light.

Saltcake.—The market position underwent little change. Interest was sufficient from the glass and paper trade to take most of the domestic and imported offerings. Prices were firm.

Saltpeter.—Sellers experienced less pressure for shipments, but continued to confine business to regular consuming channels. Prices were unaltered.

Soda Acetate.—Buying was of a routine character for various grades. No change was disclosed in the quotations.

Soda Ash. — Demand continued steady, but the market lacked any definite broadening. Operations in most consuming lines were favorable. Prices were firm.

Soda Bicarbonate.—Market lacked any new developments of importance. Trading was moderate, and prices were well sustained.

Soda, Caustic.—Consumers entered the market for necessary replacements as a rule, with new buying displaying little evidence of expanding. Pricewise a firm tone governed the dealings.

Soda Chlorate.—Buying was only fair in this direction. Prices were without alteration, and tone of the market was firm.

Soda Cyanide.—Withdrawals by the electroplating trade were rather limited, with further marking time in evidence. Prices were well maintained.

Soda Hydrosulphite.—Market lost none of its firmness, with most of the busines confined to withdrawals against contracts.

Soda Metasilicate. — Demand was moderately active. No new developments occurred in the prices.

Soda Nitrite.—Quotations failed to change, and market held firm. Regular consumers supplies a fairly steady interest in the market.

Soda Phosphate.—The character of buying failed to change to any marked degree. Most consumers made replacements when needs became urgent. Prices were without change.

Soda Silicate.—Business was not particularly active, but buying against contracts was sufficient to keep the market position satisfactory.

Strontium Salts.—Transactions were routine. Prices lacked any change, and a steady to firm tone predominated.

Sulphur, Refined.—Sellers could not point to any tangible pickup in business from commercial and agricultural channels. Prices were unchanged and firm.

Tin Salts.—Prices for tin derivatives were sharply higher, following the International Tin Committee's decision to reduce the export quota from 120 percent of standard to 80 percent. Straits metal advanced sharply to 48c. per pound, the highest in some time. Anhydrous tetrachloride advanced 1c. to 24c. per pound; tin crystals, ½c. to 37c. per pound and anhydrous stannous chloride of tin, ½c. to 45½c. per pound.

Zinc Chloride.—Quotations held at the same levels. Most of the business was against contracts to regular consumers.

—Continued on page 31

Chemical Salesmen Plan Luncheon March 14

The Salesmen's Association of the American Chemical Industry will hold a luncheon in the Waldorf-Astoria March 14. The luncheon, served free to members, will be addressed by Cal. Lewis, public relations counsel, who will discuss "Publicity As An Aid to Sales." The luncheon will be held in Le Perroquet suite and will get under way at 12:30.

Chemical Workers And Payrolls Down

—Continued from page 3

Data compiled by the Bureau of Labor Statistics for basic non-manufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1939 average:—

	Employment.		Payroll totals.	
	Jan., 1940.	Dec., 1939.	Jan., 1940.	Dec., 1939.
Metalliferous mining.	66.6	67.6	63.1	66.5
Quarrying and non-metallic mining....	37.5	44.1	29.8	39.2
Crude petroleum producing	63.1	63.5	58.4	59.1
Dyeing and cleaning.	93.9	96.0	65.8	68.7

Employment in New York

Employment in factories producing chemicals and related products in New York State declined 1.4 percent from December 15 to January 15, and dropped 2.3 percent in the city, according to the records of the State Department of Labor.

General factory employment declined 2.1 percent from December 15 to January 15, and payrolls decreased 3.8 percent during the same period. The department's index of employment for January 15 was 89.4. The payroll index was 86.0. These indexes are based on the average years 1925-1927 as 100.

	(Percentages) State.	City.
Drug and industrial chemicals	— 3.5	— 3.5
Oil products.....	— 3.3	— 3.9
Paints and colors.....	+ 1.8	+ 2.4
Photographic and miscellaneous chemicals.....	+ 0.2	+10.2

Tin Study Continuance Asked in Resolution

OPD Washington Bureau
February 28, 1940

Further investigation into the situation with regard to tin is authorized in a resolution (H. Res. 275) reported to the house by its committee on rules.

The resolution would direct the foreign affairs committee to bring up to date its previous report on tin; to make such further investigation as it may deem appropriate with regard to the dependency of the United States upon foreign nations for its tin supply, control of tin prices and production by foreign countries, possible substitutes for and resources of tin which may be developed within the United States, and other questions which would aid in framing legislation. The resolution was introduced last July by Representative Sol Bloom of New York.

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Heavy Chemicals

—*Continued from page 29*

Acids

The market for various mineral acids failed to offer any new developments last week. Trading was fairly steady, but continued along more moderate lines. Consumers were content to make necessary replacements, rather than to anticipate requirements. Operations in most consuming lines, while somewhat lower than the peak levels of the last quarter, were pretty well stabilized. The market offered nothing new in the way of price changes, and the general tone was steady to firm.

Acetic.—Demand held at moderate levels, but lacked any broadening. Prices were steady.

Battery.—Buying was only fair in this direction. No change occurred in the quotations.

Chromic.—Market remained firm. Shipments moved steady in moderate quantities.

Formic.—Withdrawals by major consumers were adequate to keep the market position favorable.

Gallic.—Quotations were nominal. Market position was strong, although buying was light.

Hydrofluoric.—Firmness characterized the trading, and dealings were along routine lines.

Lactic.—Dealings were somewhat irregular for various grades of material. No change was disclosed in the quotations.

Muriatic.—Volume held at satisfactory levels. Prices were the same, and the tone of the market was firm.

Nitric.—Market position was strong. Trading was steady.

Oxalic.—Offerings were still confined to regular consumers. Despite the strong position of the market, prices were without change.

Sulphuric.—Business failed to change last week. The more conservative buying noticeable during the past several weeks was still in evidence, reflecting to a large extent the desire of consumers to hold commitments to normal requirements at this time. Prices were unchanged and firm.

Baltimore, Feb. 28.—Conditions in the market for sulphuric acid remain about as they have been for some time past, with the nominal quotations still at $12 per ton for 60-degree, and at $15 per ton for 66-degree acid. Deliveries on old business are still being made according to contract, while new orders are influenced by the prevailing situation. The producers have found it not difficult to keep up with the requirements of the market, and they are still going along about as before, without such a rush as could not be taken care of except by further speeding up. The demand, in fact, has hardly come up to the expectations entertained for a time, there being no real deficiency in the output nor an excess of importance. The situation as to oleum is also virtually unchanged, with the prevailing quotations still at approximately $17 per ton for 20 percent stocks.

Insecticides

The release by a leading producer of a new schedule for calcium and lead arsenate at lower prices featured the market for agricultural insecticides and fungicides. Car lot prices were now applicable to all buyers, including consumers, distributors and dealers. The prices were subject to change without notice. As far as could be learned the new prices were not followed by all producers immediately. The arsenate of lead prices do not apply to Southern Cotton States, but cover other territory East of the Rocky Mountains. Dealers prices for bordeaux mixture and arsenite of zinc were released at the same levels.

Aside from the new prices, the market lacked much feature. Business has been slow in getting under way this year, principally because of the unfavorable weather conditions in many consuming areas. Sellers were anticipating a gradual movement of material from this period on. Export demand was quite active, and satisfactory quantities moved in this direction.

Bordeaux Mixture.—One seller released prices East of the Rocky Mountains in drums at 11c. for car lots and 11½c. per pound for less car lots. Quotations are the same as in force previously.

Calcium Arsenate.—A leading producer reduced prices ¾c. to all buyers for car lots to 6c. per pound in territory East of the Rocky Mountains; less car lots were lowered ¼c. to 7c. per pound. Above schedule is subject to change without notice, and does not apply to Southern Cotton States.

Lead Arsenate.—Prices were sharply lowered by one seller, car lots were now available to all buyers at 8½c. per pound in the United States; less car lots were 9½c. per pound. Prices are f.o.b. works with freight allowed to common carrier destinations in lots of 90 pounds or over.

Paris Green.—Dealers prices were released at the same levels. Prices follow:—kegs and drums, car lots, 23c. to 25c. per pound; less car lots, 24c. to 26c. per pound.

Zinc Arsenite.—One seller released dealers prices, with car lots 12c. per pound and less car lots 12½c. per pound. Prices are in line with those quoted previously.

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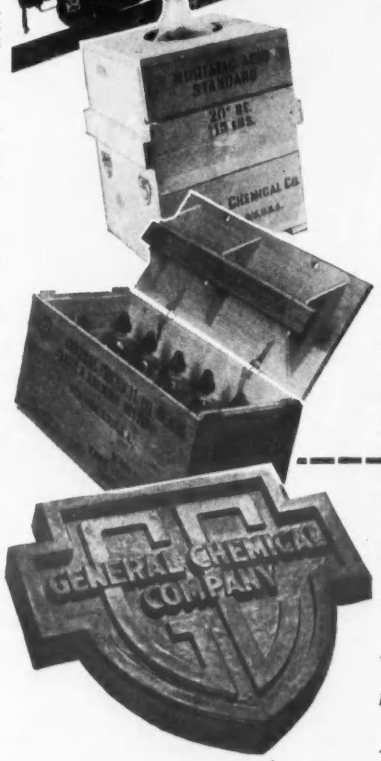

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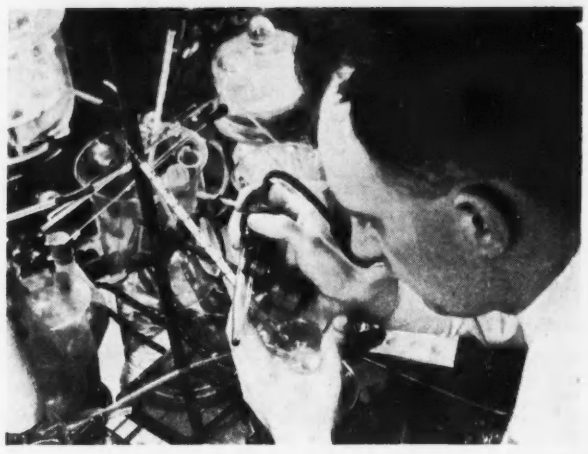

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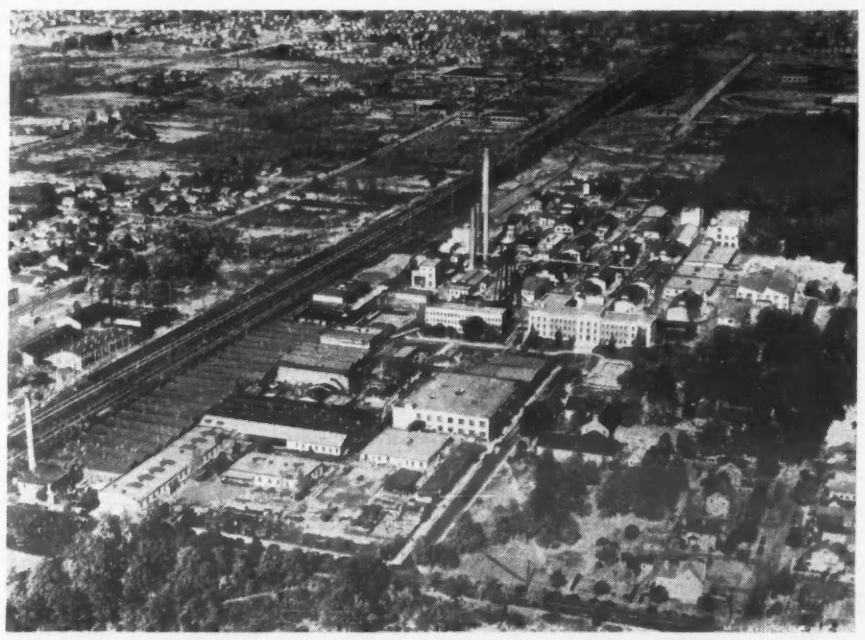

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Coaltar Chemicals

Benzol Output Declines for First Time in Seven Months —January Coking Operations Record a Slight Recession —Toluol Firm—Tar Acids in Moderate Demand

Business in the market for coaltar chemicals was of a routine character last week. The decline in by-product coking operations during January brought about the first recession in output of benzol, tar and light oil recovery in more than seven months. Coaltar solvents, particularly toluol, remained firm; tar acids were in moderate demand, while intermediates and colors moved conservatively. Export inquiries were still fairly active. The general price tone held firm, and the market lacked any changes.

A moderate slowing down of blast furnace operations in January was responsible for a curtailment of the upward trend of coke operations, which for seven months had shown an advance over the preceding month. The daily rate declined 2.5 percent from December, but was 44 percent ahead of January a year ago, according to the Bureau of Mines. Production of by-product coke for January was 4,707,068 tons, a decrease of 0.2 percent when compared with December recovery. Coke was made at 84 plants, of which 80 made ammonia and 56 benzol. Stocks of by-product coke at both furnace and merchant plants were lower at the close of January, the total reduction amounting to 22 percent. At the rate of production in January, total by-product stocks were sufficient to last 13.2 days.

Tar oil recovery during January was estimated at 56,688,489 gallons, compared with 57,708,726 gallons in December, 1939, and 41,188,178 gallons in January, 1939. Light oil output amounted to approximately 19,029,882 gallons in January, as against 19,069,413 gallons in December and 13,586,873 gallons in January a year ago. January production of benzol aggregated 11,424,000 gallons, contrasted with 11,536,000 gallons during December and 7,788,000 gallons in January, 1940. Ammonia liquor (NH_3 content) January production was about 4,807,000 pounds, compared with 4,897,000 pounds in December and 3,932,000 pounds in January a year ago.

Price Changes

Advanced
None

Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	127.3	125.6

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—The market underwent relatively little change. Shipments against contracts were regarded as satisfactory, although volume was somewhat less. Export inquiry was fair. Prices were firm. January production was estimated at 11,424,000 gallons, a decline of 1.0 percent from the 11,536,000 gallons produced in December, 1939, and compared with 7,788,000 gallons in January, 1939. The drop reflected the lower steel operations, and was the first recession in seven months.

Coaltar.—Crude and refined grades moved in a routine manner. Prices were without change, and the tone of the market held firm.

Creosote Oil.—Some evidence of a seasonal pickup was reported, but sellers were anticipating increased interest during March and April from railroads and utilities. Pricewise the market retained its firm tone.

Cresols.—Various grades moved at a steady pace, with pressure for delivery somewhat moderated. The market experienced no price fluctuation, and a firm tone predominated.

Cresylic Acid.—Buying was irregular in this direction. Some grades were taken in a satisfactory manner, while others were lagging. Prices ruled firm. Nothing of importance developed in the imported grades, with offerings limited and interest dull.

Naphthalene.—Movement of refined was continued along seasonal lines. Dealings in the crude were about routine. Prices were well maintained. Demand for imported crude was not especially active, and prices ranged from $2.90 to $3.00 per 100 pounds, c.i.f.

Phenol.—A moderate business was experienced in the market. Consumers made fair size withdrawals against contracts as a rule. Buying was sufficient to keep market position satisfactory. Export demand was not very active.

Pitch, Coaltar.—Transactions in the market were strictly routine. There was nothing new to report in the prices, and the tone of the market remained firm.

Pyridin.—Withdrawals against contracts were steady, and the position of the market was strong. Prices were in conformity with those established previously.

Tar Acids Oils.—A steady to firm price tone characterized trading, but the market experienced no broadening as far as demand was concerned. Some seasonal stimulation was looked for.

Toluol.—Buying was sufficient to absorb available supplies. Backlogs were gradually being worked down, however, and deliveries were more prompt. Export interest was still active for nitration grades. Prices ruled firm.

Xylol.—A steady movement against contracts remained in evidence. Quotations were without alteration, and the tone of the market was firm. Export inquiry was not particularly active.

Chicago Coaltar Bases

Feeling is steady and firm in the coaltar bases. Supplies are not overly large, being held down by the contracted rate of steel mill operation. Benzol is reported in good tone. Buyers are in the market for limited amounts, and are not interested in extending themselves, but are keeping in close touch with market conditions. Ruling prices are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 11c. to 11½c.; toluol, 25c.; 10-degree xylol, 30c.; solvent naphtha, 27c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic.—Dealings remain routine. Prices were well sustained.

Benzoic.—No feature to the trading. Prices were unchanged.

Broenner's.—Small quantities made up the call. Quotations ruled firm.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Cleve's.—Business lacked improvement. Pricewise a firm tone prevailed.

Fumaric.—Market experienced a good inquiry at the new levels established a few weeks previous. Prices were the same.

Gamma.—Usual consumers provided a steady interest. A firm tone governed the transactions.

H.—Demand routine. Prices without alteration.

Laurent's. — Moderate quantities moved to regular channels. Prices ruled firm.

Maleic.—Spot and contract withdrawals were maintained at a steady pace. Sellers adhered to prices in force previously.

Picric.—Market retained its strong position. Trading was steady.

Salicylic.—No new developments of consequence entered the market. Prices held unchanged.

Tobias.—Pricewise a firm tone predominated. Withdrawals were only fair.

Other Intermediates

Alphanaphthylamine.—Interest steady for modest quantities. Prices were without change.

Anilin.—Demand moderately active. Prices were unchanged and firm.

Anthraquinone.—Dyestuff manufacturers orders for nearby needs. Quotations were without alteration.

Benzidin Base.—Firmness characterized the dealings. Business was fairly steady.

Betanaphthol.—Market lacked any new developments. Prices held firm.

Dimethylanilin.—Consumers entered the market for fair size replacements. Prices were in conformity with those prevailing previously.

Dinitrobenzene.—Withdrawals were steady to regular consuming channels. Quotations were unaltered.

Dinitronaphthalene. — Trading displayed little change. Prices were firm.

Dinitrotoluene. — Market position held strong and dealings were confined to regular consuming channels.

—Continued on page 36

Synthetic Resins

—Continued from page 25

Paranol—Vinylite

Paranol, 800, dark, c.l., dlvd.	lb.	.13½	—
10 pkgs. or more, dlvd.	lb.	.14	—
9 pkgs. or less, dlvd.	lb.	.14½	—
850, c.l., dlvd.	lb.	.14½	—
10 pkgs. or more, dlvd.	lb.	.15	—
9 pkgs. or less, dlvd.	lb.	.15½	—
900, c.l., dlvd.	lb.	.11½	—
10 pkgs. or more, dlvd.	lb.	.12	—
9 pkgs. or less, dlvd.	lb.	.12½	—
1574, c.l., dlvd.	lb.	.13	—
10 pkgs. or more, dlvd.	lb.	.13½	—
9 pkgs. or less, dlvd.	lb.	.14	—
1600, c.l., dlvd.	lb.	.13½	—
10 pkgs. or more, dlvd.	lb.	.14	—
9 pkgs. or less, dlvd.	lb.	.14½	—
1700, c.l., dlvd.	lb.	.14	—
10 pkgs. or more, dlvd.	lb.	.14½	—
9 pkgs. or less, dlvd.	lb.	.15	—
1639, c.l., dlvd.	lb.	.13½	—
10 pkgs. or more, dlvd.	lb.	.14	—
9 pkgs. or less, dlvd.	lb.	.14½	—
1640, c.l., dlvd.	lb.	.13½	—
10 pkgs. or more, dlvd.	lb.	.14	—
9 pkgs. or less, dlvd.	lb.	.14½	—
1650, c.l., dlvd.	lb.	.12	—
10 pkgs. or more, dlvd.	lb.	.12½	—
9 pkgs. or less, dlvd.	lb.	.13	—
LB, No. 1, c.l., dlvd.	lb.	.13	—
10 pkgs. or more, dlvd.	lb.	.13½	—
9 pkgs. or less, dlvd.	lb.	.14	—
LB, No. 5, c.l., dlvd.	lb.	.13	—
10 pkgs. or more, dlvd.	lb.	.13½	—
9 pkgs. or less, dlvd.	lb.	.14	—
LB, No. 80, c.l., dlvd.	lb.	.11½	—
10 pkgs. or more, dlvd.	lb.	.12	—
9 pkgs. or less, dlvd.	lb.	.12½	—
LN, 100, c.l., dlvd.	lb.	.13½	—
10 pkgs. or more, dlvd.	lb.	.14	—
9 pkgs. or less, dlvd.	lb.	.14½	—

Paradura and paranol resin prices listed above prevail only for delivery to Me., N. H., Vt., Mass., R. I., Conn., Ill., N. Y., N. J., Pa., Del., Md., Va., W. Va., N. C., Ky., Ohio, Mich., Ind., St. Louis, Mo.; Wis., and Montreal and Toronto, Can. Add ¼c. per lb. to quoted prices for delivery to Ala., Ark., Fla., Ga., Iowa, Kan., La., Minn., Mo. (except St. Louis); Miss., Neb., N. D., Okla., S. C., S. D., Tenn. and Dallas and Houston, Tex. Add ¾c. per pound for delivery to Ariz., Colo., Idaho, Mont., Nev., N. M., Tex. (except Dallas and Houston), Utah, Wyo., and other points in the United States and Canada not listed above.

Phenestel, color 3½-5, dms., works	lb.	.17	—
P.H.C., dms., works	lb.	.19	—
Pliolite, powder, ton lots, works	lb.	.66	—
smaller lots, works	lb.	.69	.74
P1235, ton lots, works	lb.	.67	—
smaller lots, works	lb.	.70	.74
P1269, ton lots, works	lb.	.67	—
smaller lots, works	lb.	.70	.74
Resin, clear, ton lots, works	lb.	.75	—
smaller lots, works	lb.	.79	.84
No. 20, ton lots, works	lb.	.75	—
smaller lots, works	lb.	.79	.84
No. 40, ton lots, works	lb.	.75	—
smaller lots, works	lb.	.79	.84

R

Resinous oil, No. XI, dms., works	lb.	.019	—

S

Super-beckacite, pure phenolic, 1001, dms., 1-9, frt. pd.	lb.	.31	—
1003, dms., 1-9, frt. pd.	lb.	.30	—
2000, dms., 1-9, frt. pd.	lb.	.26	—
2050, dms., 1-9, frt. pd.	lb.	.23	—
2667, dms., 1-9, frt. pd.	lb.	.21	—
2668, dms., 1-9, frt. pd.	lb.	.15	—
3000, dms., 1-9, frt. pd.	lb.	.48	—
3005, dms., 1-9, frt. pd.	lb.	.45	—

Super-beckacite prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less, with exception of 3000 and 3005 where 10 dms. are 1½c. less and carloads 3c.; prices subject same geographical differentials as beckacite.

Surfex, bgs., c.l., frt. alld. up to 25c. per 100 lbs.	ton	35.00	—
BB, bgs., c.l., frt. alld. up to 25c. per 100 lbs.	ton	40.00	—
Syntex resin, 1-CH, 1-9 dms., 100 lbs.		20.00	—
13, 1-9 dms.	100 lbs.	14.50	—
14, 1-9 dms.	100 lbs.	15.00	—
17, 1-9 dms.	100 lbs.	13.25	—
18, 1-9 dms.	100 lbs.	14.75	—
19-A, 1-9 dms.	100 lbs.	15.25	—
20-A, 1-9 dms.	100 lbs.	15.25	—
21-B, 1-9 dms.	100 lbs.	13.25	—
22, 1-9 dms.	100 lbs.	15.00	—
23, 1-9 dms.	100 lbs.	13.25	—
28, 1-9 dms.	100 lbs.	17.00	—
29, 1-9 dms.	100 lbs.	12.50	—
32, 50% 1-9 dms.	100 lbs.	12.50	—
70% 1-9 dms.	100 lbs.	18.25	—
34, 1-9 dms.	100 lbs.	15.75	—
36, 1-9 dms.	100 lbs.	17.00	—
119, 1-9 dms.	100 lbs.	19.00	—
H-3, 1-9 dms.	100 lbs.	13.00	—
H-5, 1-9 dms.	100 lbs.	14.50	—
H-10, 1-9 dms.	100 lbs.	15.25	—
H-12, 1-9 dms.	100 lbs.	16.00	—
H-15, 1-9 dms.	100 lbs.	11.50	—
H-46, 1-9 dms.	100 lbs.	12.50	—

Syntex prices in lots of 10 dms. or more are 70c. per 100 lbs. less than above. These prices are f.o.b. Louisville, Ky., freight prepaid and allowed to destinations in New England, the Middle Atlantic states, Va., N.C., S.C., W. Va., Ohio, Ky., Tenn., Ind., Ill., Mich., Wis., Iowa and Mo. and the cities of Minneapolis and St. Paul, Minn., Atlanta, Ga.; Omaha and Lincoln, Neb., and Montreal and Toronto, Canada. For shipment to other points East of the Rockies and not listed above, add 1c. per lb.

V

Vinylite, AYAA, AYAF, AYAT, paper bags, c.l., (30,000 lbs.), f.o.b. cars, South Charleston, W. Va., freight paid to destination E. of Mississippi river	lb.	.40	—
2,000 to 9,999 lbs., cns., same basis	lb.	.43	—
200 to 1,999 lbs., cns., same basis	lb.	.45	—
1 to 199 lbs., cns., same basis	lb.	.60	—
AYAB, cns., 200 to 1,999 lbs., same basis	lb.	.52	—
1 to 199 lbs., same basis	lb.	.67	—
AYAW, cns., 200 to 1,999 lbs., same basis	lb.	.52	—
1 to 199 lbs., same basis	lb.	.67	—
QYNA, paper bags, c.l. (30,000 lbs.), f.o.b. cars South Charleston, W. Va.	lb.	.48	—
10,000 to 29,999 lbs., cns., same basis	lb.	.50	—
2,000 to 9,999 lbs., cns., same basis	lb.	.52½	—
200 to 1,999 lbs., cns., same basis	lb.	.55	—
1 to 199 lbs., cns., same basis	lb.	.65	—
VYHF, VYLF, VYNW, VYRR, paper bags, c.l. (30,000 lbs.), same basis	lb.	.48	—
10,000 to 29,999 lbs., cns., same basis	lb.	.50	—
2,000 to 9,999 lbs., cns., same basis	lb.	.52½	—
200 to 1,999 lbs., cns., same basis	lb.	.55	—
1 to 199 lbs., cns., same basis	lb.	.65	—
VYHH, paper bags, c.l. (30,000 lbs.), same basis	lb.	.52	—
10,000 to 29,999 lbs., cns., same basis	lb.	.54	—
2,000 to 9,999 lbs., cns., same basis	lb.	.55½	—
200 to 1,999 lbs., cns., same basis	lb.	.57	—
1 to 199 lbs., cns., same basis	lb.	.67	—
VYNS, paper bags, c.l. (30,000 lbs.), same basis	lb.	.68	—
10,000 to 29,999 lbs., cns., same basis	lb.	.70	—
2,000 to 9,999 lbs., cns., same basis	lb.	.72½	—
200 to 1,999 lbs., cns., same basis	lb.	.75	—
1 to 199 lbs., cns., same basis	lb.	.85	—

Cottonseed Grading Bill Introduced in Congress

OPD Washington Bureau
February 26, 1940

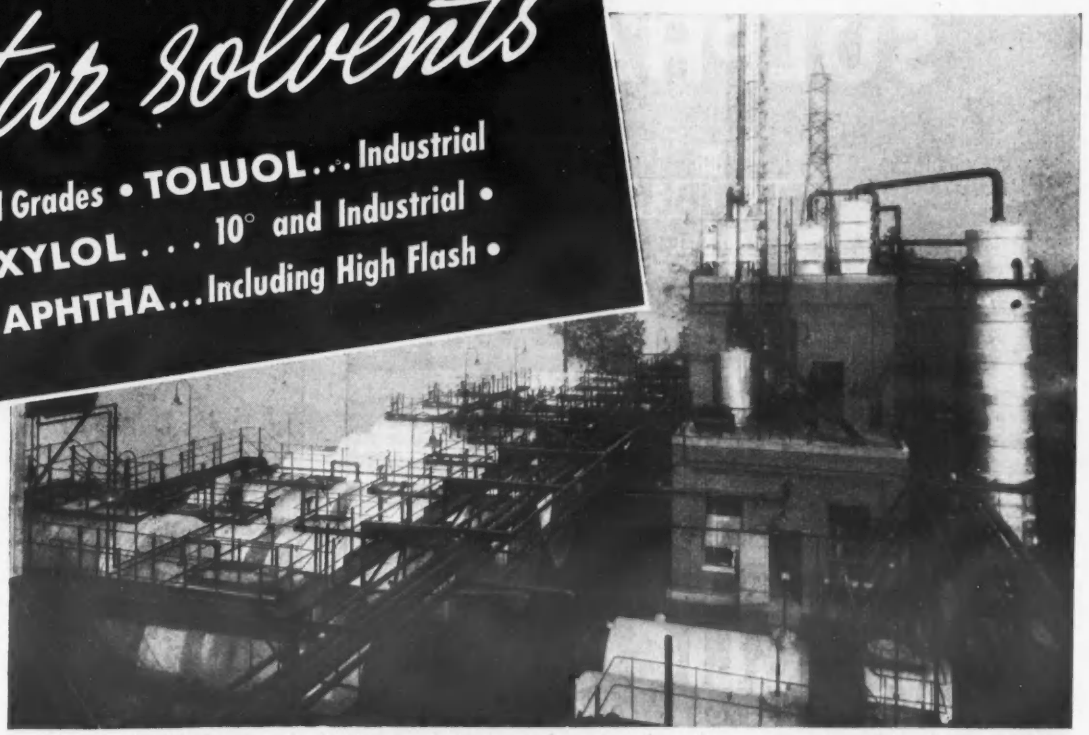
A bill (H.R. 8642) to expand the cottonseed grading and price information services of the Department of Agriculture was introduced in the house today by Representative Wall Doxey of Mississippi.

The bill directs the department to investigate the handling, transportation, and grading of cottonseed and to establish standard specifications on methods for sampling and grading cottonseed. Thereafter it would be unlawful for any person to misrepresent the grade of cottonseed or to indicate any grade other than the official standards. The bill would also authorize the department to collect and distribute statistical data, market information, and prices of cottonseed and cottonseed products including crude cottonseed oil, cottonseed cake, cottonseed meal, linters, and hulls.

KOPPERS

Coal tar solvents

BENZOL... All Grades • TOLUOL... Industrial and Nitration • XYLOL... 10° and Industrial • SOLVENT NAPHTHA... Including High Flash •



Experience gained by Koppers in developing, designing and constructing a large proportion of the plants in which coal tar solvents are recovered enables Koppers to produce coal tar solvents of uniformity and dependable quality.

OTHER KOPPERS CHEMICALS AND SOLVENTS

Phenol (82% and 90% Purity) . . . Cresol (U. S. P., Resin and Plasticizer Grades) . . . 3° Meta Para Cresol . . . Cresylic Acid—(99%, pale, low-boiling—99%, pale, high-boiling) . . . Naphthalene Shingle Stain Oil . . . Refined Tars . . . Tar Acid Oils . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

OTHER KOPPERS PRODUCTS

Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous-base Paints . . . Coal . . . Coke . . . Tanks and Tank Work . . . Removal and Recovery Systems . . . Gas Plants . . . Fast's Self-aligning Couplings . . . American Hammered Piston Rings . . . Pressure-treated Lumber

KOPPERS COMPANY · PITTSBURGH, PA.

Coaltar Chemicals

Other Intermediates

—*Continued from page* 35

G. Salt.—No broadening in the demand was discernible. Prices ruled unchanged.

Metanitroparatoluidin. — Market retained its firmness. Trading was along routine lines.

Nitrobenzene. — Interest was sufficient to keep the market in a favorable position.

Orthochlorophenol.—Moderate quantities made up the call. No change was disclosed in the prices.

Orthonitroanilin.—Consumers made necessary replacements as a rule. Prices were well sustained.

Orthonitrotoluene.—Quotations were unchanged and firm. Business was moderately active.

Paranitroanilin.—Little new transpired in this direction. Business was fair.

Paranitrotoluene.—Firm conditions surrounded trading in the market.

Phthalic Anhydride.—Volume displayed some tapering, but was adequate to keep shipments steady. Prices ruled the same.

Schaeffer's Salt.—Dealings routine. Prices without change.

Soda Naphthionate.—Market underwent little change from recent weeks. Prices were without change.

Toluidin.—A firm price tone prevailed, but quotations were unchanged. Trading was steady.

Xylidin. — Usual consumers made their appearance for necessary replacements. Prices were firm.

Coaltar Colors

Business lacked any expansion in the market for various coaltar colors last week. Consumers displayed a steady interest, but made withdrawals on a moderate scale to take care of nearby production requirements. Export interest was only fair. Prices were unchanged, and the tone of the market was steady to firm.

Exports of American-made coaltar dyes and stains in 1939 amounted to 13,716,000 pounds against 8,575,600 pounds in the previous year, according to Department of Commerce. This represented a new record. Imports during 1939 totaled 5,212,457 pounds, compared with 3,149,520 pounds in 1938. During the second half of 1939, however, imports totaled only 1,941,741 pounds. Imports from Germany were only 576,853 pounds, as against 2,087,984 pounds in the first half of 1939. Increased shipments were from Switzerland, 1,240,085 pounds, and the Netherlands, 29,129 pounds.

Mineral Oil Barred From Food Use

—*Continued from page* 3

with a warning against taking soon before or after meals. The reason for this is that mineral oil absorbs vitamins contained in food, and it is felt that perhaps mineral oil salad dressings should contain a similar warning or explanation.

There is no authority for using mineral oil instead of alcohol in food flavors, except that orange, lemon, and vanilla flavors have been exempted from the act until February, 1941, in order that standards of identity may be set. As yet there has been no move to establish these standards, but when hearings are held it will be possible for manufacturers to bring up the question of using mineral oil if they so desire.

A trade notice issued in 1928 and still in effect states that foods containing mineral oil are adulterated and if they carry any therapeutic claims they should be labeled as drugs. An exception is the use of mineral oil on slabs for handling candy, provided little or none of the oil becomes incorporated into the candy.

Evidence that the administration has not changed its position on this subject is shown by a recent letter in answer to an inquiry in which it was stated:—"Minute amounts of mineral oil are, of course, not harmful, but we have believed it in the public interest to discourage a growing disposition to add mineral oil to a wide variety of foodstuffs."

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TOLUOLS Nitration-Commercial

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Factories: Garfield, N. J., Fords, N. J.

Dyestuffs, Textile and Leather Chemicals

Domestic Egg Albumen and Yolk Easier—Zinc Dust Higher —Ground and Leaf Sumac Advanced—Mangrove Bark Lower—Bichromates Active—Corn Derivatives Quiet

Transactions in the market for dyestuffs, textile and leather chemicals continued quiet last week. Consumers apparently were content to draw upon accumulated inventories rather than make any substantial commitments for replacement at this time. Bichromates continued to stand out as an active feature in the chemical division. Price changes revolved around egg products and tanning materials.

A further recession occurred in domestic egg albumen and egg yolk, the easiness reflected partly the weakness in the egg market, which despite heavy purchases by the government was still declining. On the other hand buying was light. So far the weakness in the domestic prices brought no change in the imported material. Corn derivatives were less active, since most consumers covered previously at the lower levels. Zinc dust advanced with the price of the metal.

Trading in tanning materials underwent little improvement. Prices for ground and leaf sumac were higher, while mangrove bark declined. Announcements were made by several large tanners that they would curtail new soakings, since heavy backlogs accumulated earlier were gradually being reduced.

Chemicals

Alumina Acetate.—Consumers continued to order in a conservative manner. Market lacked any change, with the price tone firm.

Alumina Chloride.—No new developments entered the market, with transactions about routine. Pricewise a steady to firm tone prevailed.

Ammonia Bichromate.—Prices were firm. Demand was usually confined to moderate proportions.

Antimony Salts.—Quotations were nominal. Offerings were rather limited, with demand on the dull side.

Chrome Acetate.—A firm price tone characterized the dealings. Interest was limited to actual requirements.

Potash Bichromate.—Market position held strong. Shipments moved steadily against contracts. Offerings for export were negligible.

Potash Prussiate.—Dealings were not active, but despite the narrow trading, quotations were maintained at firm levels.

Soda Bichromate. — Buying continued steady in this direction. Regular consumers made fair size replacements against contracts. Export inquiry was active, but offerings were limited. Prices ruled firm.

Soda Prussiate.—There was little evidence of any broadening in the demand. Prices were in conformity with those established previously.

Zinc Dust.—Quotations were advanced ¼c. per pound, making car lots, 7¾c. per pound and less car lots 8¼c. per pound. The firmer prices reflected the recent advance in the basic metal.

Dyestuffs

Annatto.—Business in the market was dull, trading confined to occasional small lots. Prices were the same.

Archil.—Prices were firm, offerings were limited, and demand light.

Cochineal. — Buying lacked much feature. Sellers adhered to prices in force previously.

Fustic.—No change occurred in the quotions, with the tone steady to firm. Demand was along routine lines.

Hypernic.—Usual consumers exerted a modest interest in the market for nearby needs. Prices ruled firm.

Indigo.—Trading remained quiet. No change was disclosed in the quotations.

Logwood.—There was little disposition on the part of consumers to broaden commitments at this time. Prices were well sustained.

Turmeric. — Prices were nominal. Stocks were small, but demand was confined to narrow proportions.

Price Changes

Advanced

Sumac, ground, $2 per ton
leaf, $2 per ton
Zinc dust, ¼c. per lb.

Reduced

Egg, albumen, dom., 1c. per lb.
yolk, dom., 1c. per lb.
Mangrove bark, $1 per ton

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
144.3	145.0	147.3	143.6

Market news that may have developed after this report was sent to press will be found on page 4.

Sizing Materials

Albumen, Blood.—Trading continued steady, with market in strong position. Prices were without alteration.

Albumen, Egg. — Domestic crystal and powdered material lowered 1c. per pound; no change was reported in the imported material. Wholesale egg market was weak, but the Federal Surplus Commodities Corporation purchased 244,440 dozen eggs in New York and Chicago in its efforts to stabilize the market. Business was quiet.

Corn Sugar.—Business was only fair in this direction. Prices were the same, and the market tone steady to firm.

Dextrin, Corn.—Bookings were moderate, with most consumers covered at the lower prices. No further change took pace in the quotations. Visible supplies of corn for week ended February 24 were 39,562,000 bushels, a decrease of 286,000 bushels and compared with 46,605,000 bushels in the same week a year ago.

Egg Yolk.—Domestic prices were reduced 1c. per pound to the basis of 57c. to 59c. per pound, prices for imported were without change. Transactions were dull.

Sago Flour.—Inquiries were less active, and shipments were held closer to requirements than heretofore. Prices were unchanged.

Starch, Corn.—With most consumers covered at former prices, trading was less active in the market. Prices were well maintained, and a steady to firm tone predominated.

Tanning Materials

Chestnut Extract.—Buying was confined to nearby requirements as a rule. Prices ruled unchanged.

Cutch.—Shipments moved against contracts in moderate fashion. Prices were well maintained.

Mangrove Bark.—Price was reduced $1 to the basis of $32.50 per ton. There was little interest in the market.

Myrobalans.—Quotations were without further change, and levels established the preceding period were well retained. Business was light.

Oakbark Extract.—Shipments moved to consumers at a moderate pace. Prices were in conformity with those prevailing previously.

Quebracho Extract. — Prices were unchanged and firm. Withdrawals were held close to production requirements as a rule

Sumac.—Quotations for the ground and leaf were $2 higher at $100 per ton. Consumers exerted a mild interest in the market.

Valonia.—There was little activity in the market last week. Prices for the beards and cups were without change.

Wattle Bark.—The market lacked any new developments, with trading narrow, and prices the same.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Package Awards Made By Management Ass'n

The Bigelow-Sanford Carpet Company, New York, was awarded the Irwin D. Wolf Trophy in the ninth competition for the Irwin D. Wolf Awards for distinctive merit in packaging, it is announced today by the American Management Association, sponsoring organization for the competition.

Among those receiving honorable mention were:—Iron glue container, entered and used by McCormick & Co., Baltimore; package of four food colors, also entered and used by McCormick & Co.; Charbert's luxury set container, used by Parfums Charbert, Inc., entered by the plastics division of the Monsanto Chemical Company, St. Louis; transparent pretzel container, used by Bachman Bakeries, Inc., but entered by the Monsanto company; and containers for Skelly lubricants, entered by R. M. Hollingshead Corporation, Camden, N. J.

N.P.V.L.A. Committees For 1940 Are Named

—Continued from page 5

National industrial sales, Paul S. Kennedy, of the Murphy Varnish Company, Newark.

Steering, Mr. Kennedy.

Advisory board, Mr. Kennedy.

Cost of distribution, A. E. Lewry, of the Socony Paint Products Company, New York.

Toxic materials, L. F. Theurer, of the Pittsburgh Plate Glass Company, Pittsburgh.

National membership, class B steering, Thurlow J. Campbell, of the Valspar Corporation.

Roof coating division executive committee, R. A. Gaines, of the Philip Carey Company, Cincinnati.

Save the surface, Charles W. Eastwood, of the U. S. Gutta Percha Paint Company, Providence, R. I.

Scientific section, Frank L. Sulzberger, of the Enterprise Paint Maufacturing Company, Chicago.

Simplification, J. E. Ingram, of the Pittsburgh Plate Glass Company, Pittsburgh.

Tariff, R. H. Everett, of the Keystone Varnish Company, Brooklyn.

Trademark, Charles J. Caspar, of the Pittsburgh Plate Glass Company, Pittsburgh.

Traffic, E. A. Leveille, Transportation building, Chicago.

Unfair competition, Carl J. Schumann, of the Hilo Varnish Corporation, Brooklyn.

Natural Products Refining Co.
910 Garfield Avenue,
Jersey City, N. J.
Natural
Natural BICHROMATES

DRY COLORS — DYESTUFFS
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Industrial Uses of Chemicals and Related Materials

(Formerly Styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

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Six-hundred-eighty-sixth Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Barium Silicofluoride

(Additional uses — supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see bottom of this page.)

Abrasives

Etching agent (U.S. 1482793) for—
- Abrasives
- Corundum
- Emery
- Garnet
- Quartz
- Sand
- Silica
- Silicon carbide

Ceramic

Precipitant (French 665439) for—
- Soluble sulphates in clays

Chemical

Process material in making—
- Aluminum fluoride (U.S. 1518872)
- Caustic soda (Germ. 578792)

Insecticide

As an insecticide
As an insecticide (special) (U. S. 1620208)
Ingredient of—
- Apple sprays
- Dust compositions
- Insecticide containing also sodium fluosilicate, barium chloride, sulphur, and talc (French 665500)
- Insecticide (colloidal suspensions) (French 758010; Brit. 404287)
- Insecticide containing also a dispersing agent, glue, cetylpyridinium bromide, and water (Brit. 423504)
- Spray compositions

Insecticide for controlling—
- Apple insects
- Bean insects
- Cucumber beetles (Brit. 414110)
- Fuller's rose beetle
- Mole crickets
- Various other insects

Replacer of—
- Zinc phosphide in controlling mole crickets

Metallurgical

Process material (U.S. 1518872 in making—
- Silicon
- Silicon alloys

4-Betapiperidino-7:8-benzoquinolin

Pharmaceutical

Claimed (Brit. 481874) as—
- Colorless agent useful in destroying blood parasites (malaria), amebae, and worm infections

---

Betaureidoethyltriethyl-Ammonium Chloride

Textile

Claimed (Brit. 497368) as—
- Highly useful agent for processing fabrics

Crotylidenecyanacetic Acid Butylester

Miscellaneous

Starting point (Brit. 460914 and 494550) in making—
- Compositions, especially suitable for covering floors and walls, by working it up with a filling material and a polymerization catalyst

---

Dichlorodibenzyl

Electrical

Dielectric (Brit. 433070)
Insulating medium (Brit. 433070)

Fumaric Acid

(Acide Fumarique, Acido Fumarico, Allomaleic Acid, Boletic Acid, Fumarsaure, Lichenic Acid, Paramaleic Acid, Trans-buten Diacid, Trans-butene Diacid, Trans-butendioic Acid, Trans-1:2-ethylenedicarboxylic Acid)

Beverage

Substitute (Germ. 437154) for—
- Tartaric acid in—
  - Effervescing preparations
  - Flavoring agents
  - Fruit syrups

Chemical

Process material in making—
- Intermediates
- Organic chemicals
- Succinic acid (U.S. 1369204, 1457791, 1491465, and 1929381)

Starting point in making—
- Bromosuccinic acids
- Esters
- Halogenated derivatives
- Maleic acid, with phosphorus oxychloride
- Malic acid, by additive reaction
- Racemic acid, by oxidation
- Succinic acid, by reduction

Electrical

Process material (U.S. 1413144, 1413145, 1424137, and 1443935) in making—
- Insulating material

Fats and Oils

Rancidity retardant (U.S. 1698363) for—
- Fats
- Greases
- Oils

Food

Rancidity retardent for—
- Butter
- Carmels
- Fats
- Fruit products
- Greases
- Milk products
- Oils
- Oleomargarin
- Pastry

Substitute (Germ. 437154) for—
- Tartaric acid or cream of tartar in—
  - Baking powders
  - Candy
  - Confections
  - Effervescing preparations
  - Flavoring agents
  - Fruit syrups
  - Gelatin desserts
  - Mineral yeasts

Plastics

Process material in making—
- Molded products (U. S. 1424137, 1443935, 1443936, and 1489744)
- Phonograph records (U.S. 1424137)
- Plastics (U. S. 1424137, 1443935, 1443936, and 1489744)

Resins

Process material in making—
- Shellac substitutes
- Synthetic resins

Starting point in making—
- Condensations with—
  - Glycerin (U.S. 1413144, 1413145, and 1443936)
  - Glycol (U.S. 1413144, 1413145, and 1443936)
  - Polyglycerol (U.S. 1443936)
- Synthetic resins with—
  - Dihydric alcohols, such as Diethyleneglycol, Ethyleneglycol, Propyleneglycol, Tetramethyleneglycol (Brit. 396354, and 407914)
  - Fatty acids of drying or semidrying oils, such as Chinawood oil, cottonseed oil, linseed oil, Perilla oil, soybean oil (Brit. 394000 and 407914)
  - Polyhydric alcohols, such as arabitol, erythritol, glycerin, Mannitol, pentaerythritol, rhamnitol, xylitol (Brit. 394000 and 407914)

Textile

Mordant in—
- Dyeing processes

Kappabeta-beta'-hydroxyethoxyethoxyundecoic Acid

Perfume

Starting point (Brit. 440416, 452242, and 452272) in making—
- Lactones having strong musklike odors

Methylenephthalimidin

Chemical

Reactant in—
- Organic syntheses

Dye

Reactant in making—
- Synthetic dyestuffs

Starting point (Brit. 494738) in making—
- Green colors, with phthalodinitrile and cupric chloride, for—
  - Acetate rayon
  - Cotton
  - Enamels
  - Inks
  - Lacquers
  - Paints
  - Paper
  - Printing inks
  - Wool

Methyloleylamino-propionic Acid

(Continued from February 26 issue)

Paper

Dispersing agent (Brit. 446737 and 446813) in making—
- Emulsified preparations for treating paper and pulp products
- Sizing compositions in emulsified form containing rosin, casein, starches, and the like
- Waterproofing compositions in emulsified form
- Waxing compositions in emulsified form

Petroleum

Dispersing agent (Brit. 446737 and 446813) in making—
- Emulsions containing petroleum or heavy petroleum distillates
- Emulsified cutting oils for lathe and screwpress work
- Kerosene emulsions
- Naphtha emulsions
- Soluble greases in emulsified form
- Soluble oils in emulsified form for lubricating textile machinery
- Various emulsified textile oils

Resins

Dispersing agent (Brit. 446737 and 446813) in making—
- Emulsions of natural or synthetic resins

Rubber

Dispersing agent (Brit. 446737 and 446813) in making—
- Rubber compositions in emulsified form
- Special emulsified preparations used for coating, protecting, decorating, and other surface-treating of rubber articles

Soap

Dispersing agent (Brit. 446737 and 446813) in making—
- Hand-cleansing compositions in emulsified form
- Various emulsified cleansing compositions
- Various emulsified scouring compositions

Stone

Dispersing agent (Brit. 446737 and 446813) in making—
- Compositions for treating natural and artificial stone

Textile

Dyeing

Ingredient (Brit. 446737 and 446813) of—
- Dye baths in emulsified form (used as an assistant in dyeing various yarns and fabrics)

Finishing

Dispersing agent (Brit. 446737 and 446813) in—
- Dressing compositions in emulsified form
- Emulsified coating compositions
- Emulsified finishing compositions
- Emulsified impregnating compositions
- Emulsified sizing compositions
- Washing compositions in emulsified form

Manufacturing

Dispersing agent (Brit. 446737 and 446813) in—
- Dispersions used for carbonizing wool
- Dispersions used for degreasing raw wool
- Dispersions used in fulling operations
- Dispersions used for washing wool
- Emulsified preparations for degumming silks
- Emulsified mercerizing baths
- Emulsified milling compositions
- Emulsions used for kier-boiling cotton
- Emulsions used for soaking silk
- Oil emulsions for treating fabrics
- Special lubricating compositions used in weaving, knitting, warping, and winding

Printing

Ingredient (Brit. 446737 and 446813) of—
- Printing pastes in emulsified form

Mono-octyl Succinate

Lubricant

Claimed (Brit. 500222) as—
- Cutting oil base
- High-pressure, thin-film lubricant for incorporation in suitable vehicles (hydrocarbon oils or greases)

4-Nitro-1-aminoanthraquinone-2-carboxyl-betagammadihydroxypropylamide

Dye

Intermediate (Brit. 488863) in making—
- Dyestuffs

Cellulose Products

Red dye (Brit. 488863) for—
- Cellulose esters and ethers

Xylylheptadecyl Ketone, Dichlorinated

Lubricant

Claimed (Brit. 481338 and 487642) as—
- Lubricant

Starting point (Brit. 481338 and 487642) in making—
- Extreme pressure lubricants by admixture in equal parts with Pennsylvania bright stock

INFORMATION similar to the above on 5167 chemicals and related materials is available in a book: every producer and every manufacturing consumer will find useful every day. **BOOK: $10** Postage paid in U. S. plus 39c postage elsewhere

Paint, Varnish, Lacquer Materials

Lead and Zinc Both Advanced — Lead Oxides Reflect the Increase — Shellac Up — Casein Again Reduced — Naval Stores Receipts Small

Rising prices featured the raw paint materials market last week. In midweek, lead oxides were advanced fractionally due to an increase in the quotations for the metal. Slab zinc was also sold at a higher price but the zinc oxides were firm at levels that prevailed during the previous week. Casein and seven grades of varnish gum were reduced.

Local quotations on bonedry, superfine and T. N. shellac were advanced, the result of the substantial rise in Calcutta quotations late in the previous trading period. Shellac varnish prices for the Metropolitan area were unchanged. A firm tone continued to prevail in Southern and local markets for naval stores. Sales of turpentine were reported at an advance. The weather over much of the South was still abnormally cold and the movement of rosin and turpentine from the interior to primary centers was extremely light.

Metallic Lead and Zinc

The market for both slab zinc and pig lead showed upward tendencies last week, both being advanced ¼c. per pound. New quotations on zinc were 5.15c. per pound, at New York and 5.75c. at East St. Louis. Lead was boosted to from 5.25c. to 5.30 per pound at New York and 5.10c. at East St. Louis.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from February 24 to March 1, inclusive, were as follows:—

	Per pound		Spot. London. Per ton		
	New York.	E. St. Louis.	£	s.	d.
Saturday	$0.0500@.0505	$0.0485	.. *	..	..
Monday	.0500@.0505	.0485	..	..	..
Tuesday	.0500@.0505	.0485	..	..	..
Wednes'd'y	.0525@.0530	.0510	..	..	..
Thursday	.0525@.0530	.0510	..	..	..
Friday	.0525@.0530	.0510	..	..	..

* London exchange closed.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from February 24 to March 1, inclusive, were as follows:—

	Per pound		Spot. London. Per ton		
	New York.	E. St. Louis.	£	s.	d.
Saturday	$0.0515	$0.0575	.. *	..	..
Monday	.0515	.0575	..	..	..
Tuesday	.0515	.0575	..	..	..
Wednesday	.0515	.0575	..	..	..
Thursday	.0515	.0575	..	..	..
Friday	.0515	.0575	..	..	..

* London exchange closed.

Pigments

Antimony White. — Nominal at 15½c. per pound, f.o.b. Texas. Sales limited.

Litharge. — Commercial powdered material was advanced ¼c. per pound to the following prices for delivery in New York and vicinity:—6¾c. per pound for 20 tons or more; 7¼c. for from 5 to 20 tons and 7¾c. for smaller lots.

Lithopone.—Trade in this pigment continued to show improvement during the period under review. Inquiries for future delivery were also made more frequently. Prices were firm and unchanged.

Orange Mineral.—All prices were advanced ¼c. per pound. For delivery to New York and vicinity the American material is now quoted at 10¾c. per pound for 5 tons or more and 11¼c. for smaller lots.

Red Lead.—Reflecting the increase in the price of the metal, quotations on this pigment were advanced ¼c. per pound last week. For delivery to New York and vicinity the 95 percent material was quoted at 7¾c. per pound for 20 tons or more; 8¼c. for from 5 to 20 tons and 8¾c. for smaller quantities. The 97 percent material was offered at 8c. per pound for 20 tons or more; 8½c. for from 5 to 20 tons and 9c. for smaller lots. The 98 percent material was at 8¼c. per pound for 20 tons; 8¾c. for from 5 to 20 tons and 9½c. for smaller lots.

Price Changes

Advanced

Lead, pig, ¼c. per lb.
red, dry, ¼c. per lb.
Litharge, ¼c. per lb.
Orange mineral, ¼c. per lb.
Shellac, bonedry, 1c. per lb.
superfine, 1½c. per lb.
T.N., 1½c. per lb.
Garnet, 2c. per lb.
Turpentine, gum, 1¼c. per lb.
Zinc, slab, ¼c. per lb.

Reduced

Casein, dom., 1½c. per lb.
imp., Argentine, ½c. per lb.
Gum, copal, Batau chips, ½c. per lb.
dust, ½c. per lb.
bold, black, scraped, ⅜c. per lb.
Hiroe, dust, ½c. per lb.
Rasak, dust, ½c. per lb.
dammar, Singapore No. 1, ⅜c. per lb.
No. 2, ¾c. per lb.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.2	**126.2**	**126.2**	**131.7**

Market news that may have developed after this report was sent to press will be found on page 4.

Titanium Pigments.—The demand for these pigments was unabated during the period under review. Sales volume this year to date nas been far ahead of the corresponding period of last year and there is no indication that it will slacken. Prices were firm and unchanged.

Zinc Oxides.—The market for these materials continued to show gains in view of slightly heavier demand for immediate shipment and a pick-up in the number of inquiries for future delivery.

Fillers and Extenders

Barytes. — Shipments routine with offers at $25.15 per ton for carload lots of the domestic floated material.

Blanc Fixe.—Supplies were a bit freer, although the market was still considered tight. All prices continued firm and unchanged.

China Clay.—Contract buyers were showing a bit more interest in offerings and deliveries were for larger lots. Prices continued firm and unchanged at the quoted levels.

Mica.—The wet-ground material was firm at 4½c. per pound for carload lots and 5c. for smaller quantities.

Talc.—French material was purely nominal but other grades remained firm despite a slack interest on the part of consumers.

Synthetic Resins

Ester Gum.—Deliveries on contract were in better volume during the period under review. There was also an increase in the number of inquiries for future delivery. The price remained firm and unchanged at 6½c. to 6¾c. per pound for New York delivery.

Chlorinated Rubber.—Demand was routine with contract deliveries at a slightly better level. The price was

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Roll in the Barrels
of
PARADURA 540
an outstanding heat-hardening 100% pure phenolic.
PARANOL 54-E
an extremely hard, modified phenolic, very pale and soluble in mineral spirits.
PARANOL 1650
a low-priced modified-maleic resin, pale and hard.
and Roll out Better Finishes

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LABORATORY CONTROL — UNIFORM QUALITY
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PERFECT FOR RED TOY ENAMELS
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For lead-free finishes
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SHIP A 'FIVE' OR A CARLOAD
PAINT MFRS. WRITE FOR SAMPLES
The Hilton-Davis Chemical Co.
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firm and unchanged at 32c. per pound for carload lots of the standard types and 35c. to 38c. for smaller quantities.

Varnish Gums

Copals.—The general market was fairly firm although five reductions were made. Batu chips were reduced ½c. per pound to 5¾c.; bold black scraped was down ⅜c. per pound to 11c. and Rasak, Hiroe and Batu chips were lowered ½c. per pound each to levels of 5½c.

Dammars.—Singapore No. 1 was reduced ⅜c. per pound to 18¼c. and No. 2 was quoted at 13¾c., a reduction of ¾c.

Driers

Palmitates.—Movements against contract were again at a better level and prices were firm and unchanged.

Stearates.—Following the slight slackness of the previous week, shipments were at a good level during the period under review. All listed quotations remained firm and unchanged.

Dry Colors

Bone Black.—Steady at 6½c. to 17½c. per pound.

Carbon Black.—Tire makers continued to show a good interest in offerings and sales volume held to previous levels.

Chrome Green.—Deliveries against contracts were heavier. The list price was firm at 21c. to 30c. per pound for C.P. material.

Chrome Yellow.—Firm and unchanged at 13½c. per pound for contract and 14c. for open order.

Eosin Toner.—Demand at higher levels with sales made at $1.25 per pound.

Paint Technicians:—

Are you following the presentation of informative data on materials used in the production of paints, varnishes, and lacquers in the "What You Can Use" department of the REPORTER? This series of informative articles (see page 54) was started in the February 19 issue; it will be continued weekly for several months.

This information is of particular value because of its broad scope; it has a timely value by reason of the problem of finding and adapting replacement materials as those customarily used may become scarce and costly.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

STEARINE PITCH
ANIMAL COTTONSEED AIR BLOWN
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ALLIED ASPHALT & MINERAL CORP.
217 BROADWAY, NEW YORK FACTORY: DUNELLEN, N. J.
Agents and Warehouse Stocks in Principal Centers

RAYOX
RAYCAL
SURFEX
DURITE
PEERLESS CLAY
RAYBAR
RAYSIL
PYRAX
MULTIFEX
THERMATOMIC BLACKS
(R. T. VANDERBILT CO. N.Y.S. AMERICAN PRODUCTS)

RAYOX—Pure Titanium Dioxide
RAYCAL—Titanium Calcium Pigment
SURFEX—Surface-Treated Calcium Carbonate
DURITE—Pure Phenolic Resin
PEERLESS CLAY—Domestic China Clay
★
Write for Samples
RAYBAR—Titanium Barium Pigment
RAYSIL—Titanium Silicate Pigment
PYRAX—Ground Pyrophyllite
MULTIFEX—Colloidal Calcium Carbonate
THERMATOMIC BLACKS—Carbon Blacks of Low Oil Absorption

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Iron Blues.—An increase in inquiries for future delivery was reported. The listed price was firm at 33c. per pound for contract delivery and 34c. for open order.

Mercuric Oxides.—The market continued to drag somewhat, although a pick-up is looked for this month. Quotations were steady at $2.41 per pound for technical red material and $2.26 for yellow.

Para Toner.—Unchanged at 70c. per pound for contract delivery and 75c. for open order.

Potash Blue.—Shipments were in larger volume than during the preceding week. The price was firm at 42c. per pound for both contract and open order delivery.

Vermilion.—Demand for the quicksilver material was at previous levels. The listed price continued to be split, with one prominent producer quoting $2.46 to $2.55 per pound, and another quoting $2.76 to $2.81.

Naval Stores

Southern markets for naval stores were featured last week by a continuation of small receipts and offerings and a generally firm tone. At Savannah the trend of turpentine was upward at times. The limited offerings were readily absorbed. On Wednesday sales of 13 barrels were officially reported there at 32½c. per gallon, showing an advance of one cent as compared with the closing quotation of the previous week.

Temperatures at many points in the South were still abnormally low for this period and production and marketing operations were reported as backward. Receipts during January were far below normal and February arrivals were said to have been the smallest on record for that month in many years. As holdings in the interior are believed to be unusually small, the opinion existed in some quarters that the indications point to exceptionally light receipts during the early weeks of the new season which opens April 1.

Meantime consumption of rosin and turpentine is said to be holding up well despite a slowing down of business in some lines in recent weeks. In the case of turpentine, bullish views are still held concerning the outlook for consumption during the coming season in view of the activity in residential and other construction in many parts of the country.

CCC Loan Holdings

The following table shows the stocks of rosin and turpentine held February 26 by the CCC under loans on the 1938 and 1939 crops:—

	Rosin		*Turpentine,
	1938.	1939.	1939.
Savannah, bbls..	103,707	50,255	.....
drums	60	6,450	.....
Jack'ville, bbls..	176,708	114,301	1,237,190
drums	.....	14,998	.....
Brunswick, bbls.	92,871	86,303	1,046,260
drums	854	3,411	.....
Mobile, bbls.....	13,607	7,100	.....
drums	698	7,442	.....
Pensacola, bbls..	25,406	18,014	.....
drums	72	4,204	.....
Valdosta, bbls..	121,592	132,706	1,393,355
drums	22	30,864	.....
Wiggins, bbls...	.....	282	.....
drums	.....	8,744	.....
Estill, bbls.....	.....	696	.....
drums	.....	7,445	.....
Helena, bbls....	.....	53,497	1,110,180
drums	.....	52,768	.....

* Gallons.

Mexican Gum Crop Up

Weather conditions in the Durango district of Mexico during January were favorable for gathering the scrape crop and the output was unusually high, according to a consular report. Estimates of production were 14,000 gallons of turpentine and 200 metric tons of rosin. Sales for the month were 14,000 gallons of turpentine to the United States and 32 metric tons of rosin for domestic consumption. At the end of the month stocks were 9,500 gallons of turpentine and 541 metric tons of rosin.

Turpentine.—Quiet conditions continued to prevail in the local market, such transactions as were noted being limited to small lots, with the aggregate movement unimportant. The trend of the Savannah market was

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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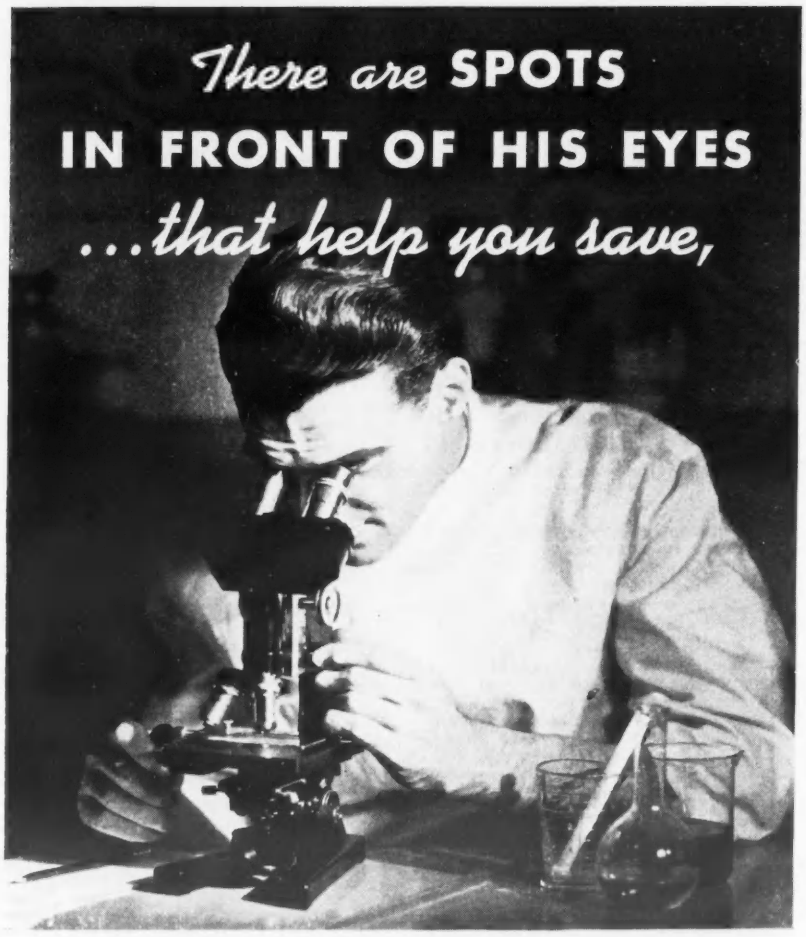
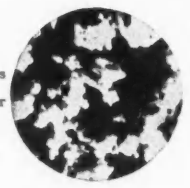


and here are the spots!



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SUN OILS

PETROLEUM PRODUCTS FOR ALL INDUSTRIES

upward at times and the ruling tone here was firm.

SAVANNAH, March 1. — Firm tone ruled in turpentine. Following is a record of the market for the week:—

	Cents (gal.)	Barrels Sales.	Re-ceipts.	Ship-ments.	On hand
*Saturday	..	...	...	...	.....
Monday	31½	48	42	...	15,805
Tuesday	32	2	2	77	15,730
Wednesday	32½	13	4	...	15,734
Thursday	32½	28	...	...	15,734
Friday	32½	5	...	...	15,735

* No trading.

JACKSONVILLE, March 1. — Turpentine quiet and firm. Following is a record of the market for the week:—

	Cents (gal.)	Barrels Sales.	Re-ceipts.	Ship-ments.	On hand
*Saturday	..	...	...	...	.....
Monday	34¾	...	9	150	38,005
Tuesday	34¾	...	...	...	38,005
Wednesday	34¾	...	9	150	37,864
Thursday	34¾	...	...	1	37,863
Friday	34¾	...	...	...	37,863

* No trading.

SLC

Ultramarine Blue
Alkali Blue Toner
Dyestuffs
Methyl Violet Toners
Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
Lithol Toners
Red Lake C Toners
Permanent Orange Toners
Pyrotone Red Toners
Barium Products

STANDARD
ULTRAMARINE CO.
HUNTINGTON WEST VIRGINIA

PENSACOLA, Feb. 24.—Turpentine receipts light. Following is a record of the market for the week:—

	Barrels Re-ceipts.	Ship-ments.	Stocks.
Monday	3	473	14,127
Tuesday	1	414	13,714
Wednesday	5	...	13,719
Thursday	...	121	13,598
Friday	...	415	13,183
Saturday	...	...	13,183

Chicago—March 1

Trade is dull in turpentine. Prices have receded slightly from best levels recorded some weeks ago, but the market remains fairly steady in its general aspects. Five-drum lots, 42c. per gallon; five wood barrels, 47c.; single drums, 43c.; single barrels, 48c.

LONDON, March 1.—Turpentine 54s. 9d. per 112 pounds. Stocks of American as follows:—

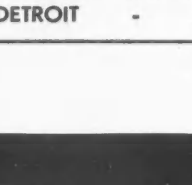
	March 1.	Previous week.	Last year.
Barrels	14,213	14,736	26,488

Rosin.—The prevailing tone here was firm in company with primary centers where receipts were unusually small and daily offerings in the open markets very light. No broadening of trade was noted here, buyers being interested as a rule merely in small lots.

SAVANNAH, March 1. — Rosin prices were generally firm. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$4.80	$4.80	$4.80	$4.80	$4.80
D	...	4.80	4.80	4.80	4.80	4.80
E	...	5.15	5.15	5.15	5.15	5.15
F	...	5.45	5.45	5.45	5.45	5.45
G	...	5.50	5.50	5.50	5.50	5.50
H	...	5.55	5.55	5.55	5.55	5.55
I	...	5.57½	5.57½	5.57½	5.57½	5.57½
K	...	5.60	5.60	5.60	5.60	5.60
M	...	5.62½	5.62½	5.62½	5.62½	5.62½
N	...	5.65	5.65	5.65	5.65	5.65
WG	...	5.72½	5.72½	5.72½	5.72½	5.72½
WW	...	6.20	6.20	6.20	6.20	6.20
X	...	6.20	6.20	6.20	6.20	6.20

THE BRADLEY STENCIL MACHINE



MACHINES TO CUT ½ in., ¾ in. 1¼ in., 1½ in. LETTERS

CUTS PAPER SHIPPING STENCILS

A. J. Bradley Mfg. Co.
101 Beekman Street New York

STANLEY DOGGETT, Inc.
ESTABLISHED 1878
MANUFACTURERS and IMPORTERS
DRY COLORS OF MERIT—QUALITY PIGMENTS
75 VARICK STREET, NEW YORK

GOOD PAINTERS' CAPS are an asset to your business
By supplying your trade with good caps you emphasize your service with added good will.
Let us show you samples and quote on your next order.
Orders accepted for prompt or deferred shipment.
The Minnesota Specialty Co., Inc., 129 North 4th Street MINNEAPOLIS, MINN.
Manufacturers Painters' Caps and other Cloth specialties

Shawnee
DRY COLORS
"Color Content Guaranteed"

Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Lake Colors
Ultramarine Blue

KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities
Distillers of Coal Tar Products

No. 10 PASTE FILLER

For filling any materials in paste form. Particularly adapted for White Lead.

Write for Quotation

ARTHUR COLTON CO.
2624 E. Jefferson Avenue
DETROIT - MICHIGAN

	Barrels				
Sales	48	...	...	...	...
Receipts	42	73	31	101	13
Shipm'ts	...	926	...	724	342
Stocks	...	...	...	...	184,045

* No trading.

JACKSONVILLE, March 1. — Rosin quiet and firm. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$4.50	$4.50	$4.50	$4.50	$4.50
D	...	4.75	4.75	4.75	4.75	4.75
E	...	5.40	5.40	5.40	5.40	5.40
F	...	5.40	5.40	5.40	5.40	5.40
G	...	5.40	5.40	5.40	5.40	5.40
H	...	5.40	5.40	5.40	5.40	5.40
I	...	5.50	5.50	5.50	5.50	5.50
K	...	5.50	5.50	5.50	5.50	5.50
M	...	5.55	5.55	5.55	5.55	5.55
N	...	5.55	5.55	5.55	5.55	5.55
WG	...	5.65	5.65	5.65	5.65	5.65
WW	...	6.20	6.20	6.20	6.20	6.20
X	...	6.20	6.20	6.20	6.20	6.20

	Barrels					
Sales	...	...	...	...	...	...
Receipts	102	20	24	...	...	
Shipm't's	31	...	55	554	350	
Stocks	...	...	...	...	330,321	

* No trading.

PENSACOLA, Feb. 24. — Rosin quiet and steady. Following is a record of the market for the week:—

	Barrels Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts	19	86	25	...	...	...
Shipm'ts	100	260	567	...	120	126
Stocks	57,528	56,986	56,986	56,796	56,670	

Chicago—March 1

Moderate irregularity has existed in the rosin market here recently, with no pronounced price trend visible. Orders have held up fairly well, although they are showing no tendency to expand, as buyers exhibit considerable caution in their operations. B grade, $7.80 per lot of 280 pounds; G grade, $8.50; M grade, $8.62½; W.W. grade, $9.20.

LONDON, March 1.—Rosin, W.W., 35s. per cwt.

Pine Oil.—Business generally of a conservative character, consumers being disinclined to purchase ahead. Market steady.

Pitch.—Quotations maintained and market tone firm. Fair demand for small lots for prompt shipment.

Rosin Oil.—Purchasing generally limited to moderate quantities to fill the current needs of consumers. Prices firm.

Tar.—Steady movement into local and other consuming channels on contracts and transient orders. Quotations maintained.

Shellac

Shellac prices on spot were advanced last week to cover the upturn in Calcutta quotations late in the previous trading period. New quotations for spot goods were as follows:—Bonedry, 25c. to 26c. per pound; refined bonedry, 31c. to 32c.; superfine, 17½c. to 18c.; T. N., 16½c. to 17c. No change was made in Metropolitan area quotations on shellac varnish but the market was firmer. Leading dealers, bleachers and importers all declared that demand was very good. Contract delivery tenders were being taken out promptly in most instances. The outlook for second-quarter business was considered excellent. Reports from Calcutta suggested that the largest of the several India crops may be smaller than usual this year.

Lacquer Materials

Shipments continued to move against contracts at a steady pace last week. Stocks in practically all instances, however, were adequate to meet consumers' requirements, and less pressure was exerted for delivery. Offerings for export were limited in some products where manufacturers were careful to supply all domestic requirements before allotting any for export. The market lacked any specific price developments, but the tone was firm.

Acetone.—Shipments against contracts were steady, and position of market remained firm, although stocks were adequate to meet regular requirements. Offerings for export were still limited.

Alcohol, Butyl. — Sellers, while under less pressure for shipments, report a good movement to consumers. Export inquiry active. Prices ruled firm.

Cellulose Acetate.—Market experienced no further changes, and prices established a short time ago were well sustained. Withdrawals were moderately active.

Diamyl Phthalate. — Buying from regular consuming channels was steady, and the market fully retained its strong position. Prices were without change.

Ethyl Acetate.—Prices were without change and firm. Demand continued at a satisfactory pace.

Isopropyl Acetate.—The market experienced some good size replacement business, and dealings were adequate to retain prices at the firm levels.

Tricresyl Phosphate. — Demand was steady, and volume, while not as heavy, was sufficient to keep the position of the market strong. Only limited quantities were offered for export. Prices were unchanged and firm.

Glues and Binders

Casein.—Weakness continued to be noted in the market for both domestic and Argentine material. The domestic 20-30 mesh material was lowered 1½c. per pound to a spread of 10½c. to 11c. The Argentine product was reduced ½c. per pound to 10½c. to 11c. French material was nominal.

Glues.—Trade was a bit slower last week but prominent sellers reported that February demand was better than expected. Bone glue was quoted at 13½c. to 15½c. per pound and hide glue at 15c. to 24c.

Trade Briefs

Pioneer Asphalt Company, this city, has engaged Louis Garbi, specialist for the past ten years in cold and hot asphalt mixes.

V. C. Bidlack, of the McCloskey Varnish Company, Philadelphia, is visiting the trade in Alabama, Louisiana, Texas, Oklahoma and Tennessee.

Joseph Roebling has been elected a director of the Barber Asphalt Company, Philadelphia, filling a vacancy caused by the death of Arthur M. Sewall.

Lewis H. Brown, president of Johns-Manville Corporation, this city, has been named to the directorate of the American Telephone & Telegraph Company.

Wm. H. Jarden, jr., president of the McCloskey Varnish Company, has just returned to Philadelphia after a short vacation with Mrs. Jarden in Palm Beach, Fla.

H. B. Almond, vice-president in charge of sales for the McCloskey Varnish Company, Philadelphia, is visiting the trade in Florida, the Carolinas and Virginia.

W. Robert Melville, Buffalo sales manager for the National Lead Company, recently addressed the North Park Lions Club on the work of the "40 Plus Club of Western New York" in obtaining employment for middle-aged men.

S. C. Johnson & Son, Inc., floor wax, Racine, Wis., has appointed Winfield F. Duffy sales manager of the Cincinnati district. Prior to coming to Cincinnati he had been supervisor of Penn., N. J., Del., Va. and Md. for twelve years.

Louis S. Isbell, for the past five years manager of the Hinman Lumber Company, Auburn, Me., has been appointed Auburn-Maine branch manager for the McDougall-Butler Company, Inc., paint manufacturer, Buffalo, N. Y. His headquarters will be at the Auburn-Maine office at 55 Court street.

John A. Robinson, Miami, Okla., has been nominated as a director of the Eagle-Picher Lead Company, Cincinnati. Mr. Robinson will replace George W. Potter, Joplin, Mo., who will continue as executive vice-president and director of the Eagle-Picher Mining & Smelting Company, a subsidiary.

Reuel W. Elton, secretary of the National Paint, Varnish and Lacquer Association, addressed the Nashville Junior Chamber of Commerce February 20 and on behalf of the National Clean Up and Paint Up Campaign Bureau in Washington made the formal presentation of the 1939 trophy for the State of Tennessee.

Moulding powder used in the manufacture of dentures and composed of a synthetic gum or resin, chiefly polymerized vinyl chloride, should be dutiable at 6 cents per pound and 30 percent ad valorem under paragraph 2 of the 1930 tariff act, rather than at 40 cents per pound under paragraph 31 (b) (1), the Bureau of Customs has ruled.

Oils, Fats, and Waxes

Strength of Soybeans Causes Further Rise in Oil—March Cottonseed Oil Switched to Later Months—New Crop Carnauba Wax Short and Prices Here Continue to Advance

A steady tone prevailed in the market for miscellaneous oils, fats and greases last week. There were few changes in prices, such as were noted being small. Here and there some increase was reported in the volume of inquiries received but actual business was confined as a rule to unimportant quantities, many buyers still being disposed to follow a rather cautious policy pending further developments in the general business and political situation at home and abroad.

Soybean oil was still a firm feature of the list of vegetable products, prices again being advanced by producers owing to the recent increase in the cost of beans. Conflicting reports were current as to the volume of business closed during the week, but there was apparently a fair movement on export orders. Reports were current to the effect that considerable lard has been taken recently by soap makers in the West, but domestic business in that commodity was quiet last week and there was apparently no expansion in the export movement. Marketing of hogs in the West continued to run well ahead of last year at this time.

Chinawood Oil

Quiet conditions continued to prevail in the local market for chinawood oil last week and the situation lacked features of striking interest. The tone remained steady, however, in the absence of any material change in conditions prevailing abroad where shippers were firm in their views and apparently not in a position to offer any more freely than in recent preceding weeks. Quotations in the local market generally remained about stationary, with only comparatively small lots reported as available in any quarter. Arrivals at New York last week were 376 drums from Yokahama.

SAN FRANCISCO, Feb. 28.—Chinawood oil ruled steady during the past week. Quoted today at from 25⅜c. to 25½c. per pound in tankcars, f.o.b. Pacific Coast ports. Moderately active. Offerings fairly free.

Vegetable Oils

Coconut.—A steady tone prevailed in the local market for crude oil, quotations being held at previous levels. There were reports of an increase in the volume of inquiries received. Refined oil was in fair demand and steady.

Corn.—Crude oil was steadier to the extent that prices were advanced ⅛c. by some sellers. A somewhat better inquiry was reported. Refined oil was in fair request and steady.

Oiticica.—Quotations underwent little change last week, the tone of the market being steady. Supplies on spot still appeared to be light. There was a fairly active inquiry. Some interest was noted in new crop oil which was quoted for April arrival at around 19c. per pound.

Olive.—A steady tone prevailed, quotations generally being held at the levels ruling in the previous week for both denatured oil and foots. Business lacked snap but a fairly active request was reported for moderate quantities.

Perilla.—The market was quiet in the absence of any increase in offerings on spot or for arrival. Quotations were still generally nominal. Occasional inquiries were noted.

Soybean.—The market was firmer owing to the increased cost of beans. Quotations were advanced ⅛c. to ¼c. per pound. Business was reported to have been closed in crude oil at 5¾c. per pound, in tankcars at works, with 5⅞c. quoted by some producers. There were reports of some increase in the export inquiry. Domestic trade was fairly active.

Markets at Other Centers

San Francisco, Feb. 28.—The vegetable oil market is not slow, nor is it in a particularly active stage, but buyers are taking on what appear to be normal requirements for manufacturing purposes.

COCONUT.—Strong. Sales earlier in the period at 2¾c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills, but sellers are not entertaining any bids below 2⅞c. today, and 3c. is generally required.

COPRA.—Stronger, following the reported purchase of substantial quantities for shipment to Europe. Offers are based around 1.85c. per pound, c.i.f. Pacific Coast ports, and suppliers are inclined to frown on bids below that level. Bids last week at 1.75c. were understood to have been refused.

OITICICA.—Raw, liquid oil quoted 18c. to 19c. per pound in drums, f.o.b. Pacific Coast for forward shipment out of Brazil.

PERILLA.—Tight, with no offerings out of Japan in months. Spot supplies are in the hands of resellers, who are not offering. A nominal price would be in the neighborhood of 21c. in tankcars.

TEASEED.—New crop teaseed oil, moderate acid, is quoted at 12c. per pound in drums, f.o.b. Pacific Coast ports.

Markets at Other Centers

Chicago, March 1.—Interest is reported fairly good among buyers of vegetable oils. Prices show no special fundamental trend, but various items, such as corn oil, peanut and soybean, have recorded small fractional price gains recently.

COCONUT.—Crude basis, 2⅞c. to 3c. per pound. Refined, edible oil, 8¾c. to 9c. per pound, drums, car lots; and 9¼c. to 9½c., drums, less than car lots.

CORN.—Crude, low acid, 6¼c. to 6⅜c. per pound, nominal. Refined, edible oil, 8¼c. to 8½c. per pound, drums, car lots; and 8¾c. to 9c., drums, less than car lots.

PEANUT.—Crude, South, 7c. to 7⅛c. per pound.

SOYBEAN.—Crude, 5½c. to 5¾c. per pound, February-forward.

The market for soybeans on the Chicago Board of Trade showed irregularity, but the undertone was regarded as firm. Cash interests and commission houses bought on setbacks. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing Mch. 1.	Closing Feb. 23.
Cash, No. 2	$1.13	$1.10⅜	$1.13	...
May	1.12½	1.09	1.11⅝	1.11¼
July	1.09⅝	1.06⅞	1.08¾	1.09½

Linseed Oil

The trend of the Buenos Aires flaxseed market was mainly upward. Changes in domestic prices were generally moderate. Linseed oil stronger. Cake and meal steady. Receipts of flaxseed at New York last week were 289,034 bushels. There were no shipments from India to Europe.

Flaxseed—DULUTH, March 1.—Steady demand from crushers and seed houses, along with meagre receipts are responsible for the firmness of flax prices in the last week. Supplies of flax here only 32,000 bushels as compared with 110,000 bushels a year ago.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$2.13	$2.03	$1.99
Monday	2.12	2.02	1.98½
Tuesday	2.12	2.01½	1.97½
Wednesday	2.12	2.01½	1.97½
Thursday	2.11	2.01½	1.97½
Friday	2.10½	2.00½	1.97

MINNEAPOLIS, March 1.—Cash flax receipts increased momentarily because of the desire to get rid of supplies ahead of the tax collector but volume was not important and the offers met with very ready demand at firm premiums. Crushers took most of the daily offers and were glad to add to their meager reserves because of the Argentine situation.

Local elevator stocks continue to decrease freely on account of crusher withdrawals and fairly liberal shipments to out of town mills. Decrease in four days estimated at 80,000 bushels compared with a decrease of 20,000 bushels in the same period a year ago.

So far there has been no revival of interest in diversion point flax for shipment to eastern mills. The local supply is meager and is not likely to last long if the Argentine movement is restricted. Currently the crushers are operating 90 to 95 percent of their capacity and that calls for the use of much more cash flax than is available on track from day to day.

Demand for seed flax continues good from the country but most of the seed houses have accumulated enough of a supply to care for estimated planting requirements.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$2.14	$2.00	$1.97
Monday	2.13½	1.99½	1.96
Tuesday	2.13	1.99	1.95½
Wednesday	2.13	1.99	1.95½
Thursday	2.12	1.98	1.94½
Friday	2.11½	1.97½	1.94

Price Changes

Advanced

Carnauba wax, No. 3 chalky, 1c. per lb.
No. 2 North Country, 4c. per lb.
No. 3 North Country, 3c. per lb.
No. 1 yellow, 5c. per lb.
No. 2 yellow, 6c. per lb.
Corn oil, ⅛c. per lb.
Linseed oil, 2/10c. per lb.
Peanut oil, ⅛c. per lb.
Soybean oil, ⅛c. per lb.

Reduced

Beeswax, crude, African, ½c. per lb.
Lard, Western, 20c. to 25c. per 100 lbs.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
106.7	106.7	106.7	98.8

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

STEARIC ACID
Single Pressed and Double Pressed
Available in either cake or flake form
Triple Pressed
IVORY BRAND
RED OIL
(OLEIC ACID)
RUBY OLEINE BRAND (*distilled*)
STAR BRAND
(*saponified*)
CANARY BRAND
(*very pale yellow, especially suitable for best types of dry cleaners' soaps.*)
PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
220 East 42nd St., New York City
Branches and stocks in all large cities

EMERY
America's largest producers of
STEARIC AND OLEIC ACIDS
All Grades Saponified and Distilled
FATTY ACIDS · GLYCERINE · PITCH
SPECIAL FATTY ACID DERIVATIVES
Since 1840
EMERY INDUSTRIES, INC.
Originators of Twitchell Process
New York CINCINNATI, OHIO Lowell, Mass.

SYNTHETIC OILS and WAXES
for use in
Pharmaceuticals, Cosmetics, Printing, Polishes, Food and Many Other Industries
GLYCERYL
METHYL, ETHYL, PROPYL, BUTYL, AMYL, GLYCOL, DIETHYLENE GLYCOL, PROPYLENE GLYCOL
ESTERS OF
STEARIC
MYRISTIC, PALM, LAURIC, OLEIC, COCOANUT, SOYABEAN, COTTONSEED, RICINOLEIC, LINSEED, AND OTHER FATTY ACIDS
KESSCO PRODUCTS
Offered Under Definite Chemical Specifications
Inquiries Solicited—Data on Request
W. W. ANGUS, INCORPORATED
239 ELEVENTH AVENUE, NEW YORK, N. Y.
Sales Agent for
THE KESSLER CHEMICAL CORP.

WOBURN HIGH QUALITY FATTY ACIDS HAVE BEEN THE STANDARD FOR YEARS FOR THE MANUFACTURE OF ALKYDS OF ALL TYPES

(Linseed, Soybean, Perilla, Sunflower, Isoline, Cocoanut, Lauric, Helioline-D)

WOBURN FATTY ACIDS FOR SOAP MAKING LOWER THE COST AND IMPROVE THE QUALITY OF THE SOAP

(Cottonseed, Palm, Cocoanut, Olivine, Distoline, Helioline-D)

WOBURN DRYING OIL (DEHYDRATED CASTOR OIL) PRODUCES THE MOST DURABLE OF ALL FILMS AND FILMS WITH SUPERIOR COLOR RETENTIVE PROPERTIES

(Isoline)

WOBURN DEGREASING COMPANY OF NEW JERSEY

Chemical Division HARRISON, N.J.

Crop movement in bushels follows:—

	Receipts—		Shipments—	
	1940.	1939.	1940.	1939.
This week	37,800	10,800	3,200	12,000
Since Sept. 1	3,910,600	1,533,140	1,762,600	498,900

WINNIPEG, March 1.—Trading in flaxseed futures was quiet. Prices moved in company with grain. The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$1.94⅛	$1.97½	$1.94¾
Monday	1.92¼	1.95½	1.94
Tuesday	1.93	1.96¾	1.94⅝
Wednesday	1.93⅜	1.97	1.94⅞
Thursday	1.93½	1.96⅝	1.95¼
Friday	1.92	1.95¼	1.93¾

BUENOS AIRES, March 1.—Opening prices per bushel on March contracts were:—

	Last week.	Last year.
Saturday	$1.22¼	$1.06⅜
Monday	1.22¼	1.06⅜
Tuesday	1.23	1.05⅞
Wednesday	1.25⅞	1.05⅝
Thursday	1.24⅝	1.06¼
Friday	1.24⅜	1.06¼

Exports

To—	Bushels— Last week.	Previous week.	Last year.
United States	571,000	232,000	264,000
United Kingdom	673,000	472,000	63,000
Continent	303,000	488,000	976,000
Orders	.....	.....	799,000
Others	.....	8,000	.....
Totals	1,547,000	1,200,000	2,102,000

Since January 1

To—	Bushels— This year.	Last year.
United States	3,674,000	4,673,000
United Kingdom	3,797,000	473,000
Continent	4,062,000	6,916,000
Orders	508,000	2,602,000
Others	59,000	271,000
Totals	12,190,000	14,815,000

Visible Supply

	Bushels
Last week	4,724,000
Previous week	4,331,000
Last year	6,693,000

HULL, Feb. 23.—La Plata flaxseed quoted at £15⅛ per long ton; Bombay, £18⅜.

Linseed Oil.—The market here for linseed oil was firmer, influenced mainly by strengthening developments in Argentina where the trend of flaxseed prices was upward. Quotations on oil were advanced two points by one crusher to 9.6c. per pound in tankcasrs and that was apparently an inside figure late in the week, with the range extending upward to 9.9c., according to seller. It was intimated that the outside quotation could be shaded by two to three points but firmer views prevailed in all quarters.

Business in linseed oil in the local market lacked snap, but an increase was noted in some quarters in the volume of inquiries received and advices from outside points also reported some improvement in trade. The advance in Argentina seed prices was attributed to increased buying by European and United States interests as a result of the advancing ocean freight rates and the possibility that exports from Argentina may be seriously curtailed by the lack of freight space. Cash seed was in good demand in the markets of this country.

MINNEAPOLIS, March 1.—There was quite a spurt of oil trade last week and most buyers added to their contracts covering requirements up to June 1. Mostly the business was done in round and tankcar lots. An advance of 2c. in the market Tuesday shut off some business. Quotations on carload lots, f.o.b. Minneapolis, tankcars, 10.1c. per pound; cooperage cars, 10.7c. per pound; warehouse lots, 11.1c. per pound.

Shipments of oil in pounds were as follows:—

	1940.	1939.
This week	2,950,000	900,000
Since Sept. 1	70,440,000	35,007,382

SAN FRANCISCO, Feb. 28.—The linseed oil market is stronger and calls for shipment against contracts are getting brisker. Quoted:—Tankcars, 9.7c. per pound; drum lots, ex-mill, 10.3c.; drum lots, ex-warehouse, 10.7c.

CHICAGO, March 1.—Linseed oil has picked up a little strength, with prices a shade higher. Demand better. Tankcar, 10.1c. per pound; car lots, 10.7c.; less than car lots, 11.1c.

LONDON, March 1.—Linseed oil, 45s. per cwt.

Cake and Meal.—A steady tone prevailed. Domestic trade in meal was reported as somewhat better. The export inquiry for cake was light.

MINNEAPOLIS, March 1.—Although there has been recent improvement in the meal demand the market still is a draggy affair because of the competition of soybean meal and persistent pressure of that concentrate on small advances.

Quotations on carload lots, f.o.b. Minneapolis, 100-pound sacks, $30.50 to $31 per ton.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

SARDINE AND VEGETABLE
OILS REFINED, PROCESSED
FOR THE PAINT, VARNISH
AND LINOLEUM INDUSTRIES
DORSCO
PRODUCTS
OILS TRUE TO SPECIFICATION—36 Types of "standard," California High Iodine Number sardine oils regularly refined and processed. Other oils prepared to your order—and guaranteed true to your specifications.
DORWARD & SONS CO.
260 CALIFORNIA ST., SAN FRANCISCO · REFINERY: RICHMOND, CALIF.
"Where the Sardine Boats Dock"

QUALITY

STEARIC ACID

Distilled, Flake, Cake and Powdered; all grades, various melting points.

RED OIL (Oleic Acid)

Various titres, light in color; in barrels, drums, tankcars.

WHITE OLEIN

U. S. P. Specifications guaranteed.

PALE SAPONIFICATION
CRUDE GLYCERINE 88%

In drums or tankcars, suitable for the consumer trade.

A. GROSS & CO.
Manufacturers Since 1837
Sales Office: 122 East 42nd St., New York, N. Y.
FACTORY: NEWARK, N.J.

Shipments of meal in pounds were as follows:—

	1940.	1939.
This week	3,680,000	1,440,070
Since Sept. 1	103,710,000	54,986,650

CHICAGO, March 1.—Linseed meal seems to be marking time, with prices about steady. Round lots, $31 to $32 per ton, nominal; car lots, $32 to $33; less than car lots, $34 to $35.

Cottonseed Oil

The local market for refined cottonseed oil futures was quiet. Changes in prices moderate. Southern markets for cottonseed products generally steady.

Cottonseed Oil.—Aside from switching operations, the local market for refined cottonseed oil futures was a quiet and rather featureless affair last week. The switching, however, was on a rather liberal scale at times, many March longs changing to May at 13 to 14 points difference, to July at 22 to 23 points, to September at 30 points and to October at 32 points. The market showed irregularity, changes in prices from day to day being moderate and mainly in company with developments in lard. The range between the high and the low quotations of the week was about 20 points.

Tenders on March contracts were smaller than some had expected, the tenders on Monday, the first day for the issuance of notices, being only 4, with 2 on the following day. Southern markets for crude oil ruled steady. Occasional sales were reported at 6c. per pound. Offerings in all sections were light and it was reported that unsold supplies were passing under the control of a comparatively small number of holders. A further advance in soybean oil excited more or less comment. Foreign interests were reported to have made purchases of that commodity but reports were conflicting as to the extent of such business.

A somewhat better demand was reported for cash refined cottonseed oil. Domestic trade in cash lard was apparently quiet though soap makers were said to have made rather liberal purchases recently. The monthly cottonseed report from the Census Bureau is expected to appear early next week. Opinions differed as to the probable refined oil consumption figures for the month. In January the consumption was 267,306 barrels while in February last year it was 217,781 barrels.

Receipts of hogs in the principal Western markets for four days of the week aggregated 278,700 head or about 100,000 head more than in the same time last year. The weight of the hogs received in Chicago during the week ended February 24 averaged 242 pounds for barrows and gilts and 429 pounds for sows.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from February 24 to March 1, inclusive, comprised 540 contracts, a total of 32,400,000 pounds. Following is a price record for the week:—

	—Cents per pound in tanks— High.	Low.	Close.
March	7.03	6.85	6.94@7.00
May	7.15	6.99	7.02@7.04
July	7.24	7.06	7.12 sale
September	7.33	7.14	7.16@7.19
October	7.30	7.16	7.17@7.21

Crude, Southeast, .06@.06⅝c.

Chicago, March 1.—The cottonseed oil market lacks decisive trend, and trade is mostly of an inconclusive and routine nature. Good, off-Summer yellow fig oil is 7¼c. per pound. Refined, edible oil is 9c. to 9½c. per pound, barrels, car lots; and 9¾c. to 10c., barrels, less than car lots.

Hull, March 1.—Cottonseed oil, refined, 35s. 7½d. per 112 pounds; crude, Egyptian, 31s. 1½d.

Cake and Meal.—Quotations on prompt shipment material were generally maintained, the prevailing tone in the South being steady. Business was reported quiet.

Markets at Other Centers

Atlanta, Feb. 28.—Prime crude cottonseed oil, 6c. per pound in the Southeast. Meal is offered at $30 to $30.50 per ton at Southeastern mills. Preparation of land for planting is delayed in the Southeast because of continued unfavorable weather.

Memphis, March 1.—Scattered sales of crude cottonseed oil at 6c., Valley basis. Offerings light and no selling pressure seems likely to develop as unsold stocks are gradually becoming concentrated in the hands of a few mills. Meal steady; 41 percent, $30.50 per ton, Memphis basis. Slab cake, $28 per ton, Valley basis. Meal statistics appear bullish, stocks being unusually light for this time of year. Bulk cottonseed hulls, $8.50 per ton.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	February 21.	February 29.
March	$29.50@29.75	$29.65@30.00
May	28.00@28.25	28.30@28.50
July	27.35@27.50	27.20@27.35
September	25.60@26.25	25.65@25.75
October	24.75@25.50	24.10@25.00

Fatty Acids

Castor Oil.—Quotations on this fatty acid were generally maintained at former levels. New business was reported as quieter but there was a steady movement into consuming channels on unfilled contracts.

Cottonseed Oil.—New business in this fatty acid was reported as somewhat better and a fair movement was noted on contracts previously placed. Tone steady.

Palm Oil.—Soap makers were in the market for moderate quantities of palm oil fatty acid and the movement was reported as somewhat better than recently. Market steady.

Red Oil.—Business was still generally along conservative lines but in some quarters an increase was noted in the request for moderate quantities. Prices maintained.

Stearic Acid. — Selling schedules were generally held at previous levels, the tone being steady in company with raw material. There was a fairly active request from local and other consumers.

Chicago—March 1

Trade is quiet in fatty acids and related products, but sellers are holding steady on most items and showing little willingness to make concessions.

RED OIL.—Distilled or saponified, 8½c. to 9½c. per pound; tanks, 8c. per pound.

STEARIC ACID. — Distilled, single press, 11½c. to 12½c. per pound; double press, 12c. to 13c.; triple press, 14¾c. to 15¾c.

OTHER FATTY ACIDS.—Corn oil, double distilled, 9c. to 9¼c. per pound, tankcar; 9½c. to 9¾c., barrels, car lots; cocoanut oil, acidulated, 10c. to 10¼c. per pound, tankcar, mostly nominal; 10½c. to 10¾c., barrels, car lots; cottonseed oil, double distilled, 8½c. to 8¾c. per pound, tankcar; 9c. to 9¼c., barrels, car lots; settled cottonseed soap stock, 60-62 percent basis, 3c. to 3¼c.; boiled down soap stock, 65 percent basis, 4c. to 4¼c.; cottonseed foots, 50 percent basis, 1¾c. to 1⅞c.

Fish Oils

Cod.—Offerings were reported as light with shippers firm in their views. Quotations generally nominal. A fair inquiry was noted.

Menhaden. — Refined oil selling schedules were maintained at previous levels by local interests, the tone of the market being steady. Business continued along conservative lines.

Sardine.—No broadening of trade was noted in refined oil, consumers being disposed to limit their purchases to small or moderate lots for prompt shipment. Quotations unchanged.

Sperm.—There was a steady movement into consuming channels on contracts and transient orders. Prices unchanged.

Markets at Other Centers

San Francisco, Feb. 28.—Strength came back into what remains of California's sardine oil market last week when, following sales at 36½c. per gallon in tankcars on a few units, the market firmed up, sellers withdrew and brokers and buyers were unable to uncover anybody willing to sell oil at below 39c.

The fact stands that oil here is very scarce. First hands are practically bare of stocks, and a check reveals that probably not more than a dozen tankcars are available today in the entire state. The season has ended in northern California, including the Monterey and San Francisco districts, and southern California is muddling along on sparse tonnages of newly caught fish. The California Sardine Products Institute reported that for the week ended February 23 only 361 tons of fish were turned in to the reduction plants in the southern portion of the State, and in fact this was the only part of the State left operating.

January production of oil was considerably down from January of a year ago, but the total gallonage this season remains above that processed a year ago, records revealed here yesterday. All districts in California made a total of 1,165,465 gallons during January, compared with 2,848,278 gallons in January, 1939.

Seasonal production to the end of January this year amounted to 16,640,553 gallons, compared with 14,941,761 gallons for a like period last year, the records, as compiled by the California State Fish and Game Commission, revealed. Total tonnage of raw fish turned in as of February 23 this season amounted to 519,153 tons, as against 509,413 tons as of a year ago.

Because northern California is through and very little more can be expected from the south, this season will probably finish up very close to the total figures of last year.

Baltimore, Feb. 28.—Some further sales of menhaden fish oil have been made in the last week, reducing the stocks now held in the North Carolina factories to insignificant proportions. Such holdings as still remain in first hands could perhaps be obtained at the price of the previous sales, 34c. per gallon. It looks as if the work of the fishing vessels is over until some time in May or whenever the fish begin moving north. Quotations on refined oil stand at 53c. to 55c. per gallon for white pressed, 55c. to 57c. per gallon for white bleached, and 57c. to 59c. per gallon for yellow bleached.

Fats and Greases

Grease.—A steady tone prevailed, quotations generally being maintained at previous levels. Buying limited to small or moderate lots for prompt shipment.

CHICAGO, March 1.—Choice white grease, tierces, 5c. to 5¼c. per pound; A white, 5c. to 5⅛c.; yellow, 10-16, 4¾c. to 4⅞c.; brown, 4½c. to 4⅝c.

Lard.—Domestic demand for cash lard was generally limited to moderate lots. Export trade continued quiet. Price movements narrow.

CHICAGO, March 1.—Continued easiness has been noted in the cash lard market. Buyers are averse to taking any very decided position and are confining their operations to restricted totals. Prices continued well below a year earlier. Shipping trade has been slow in general Following is a price record, per 100 pounds, for the week:—

	High.	Low.	Closing Mch. 1.	Closing Feb 23.
Cash	6.62	85.90	86.02	86.07
May	6.40	6.17	6.20	6.40
July	6.62	6.37	6.40	6.62

Stearin.—Offerings light and market steady though quiet.

CHICAGO, March 1.—Prime oleo stearin, barrels, 6c. to 6¼c. per pound; lard, 6¼c. to 6½c.; white grease, 5½c. to 5¾c.; oleo stocks, 8½c. to 9c.

Tallow.—There were reports of a somewhat better inquiry, but purchases were apparently limited to comparatively small quantities to fill the current needs of consumers. With offerings light, the prevailing tone was steady.

CHICAGO, March 1.—Edible, tierces, 5¼c. to 5⅜c. per pound; inedible, prime, 5⅛c. to 5¼c.; fancy, 5⅛c. to 5¼c.; special, 5c. to 5⅛c.; No. 1, 4⅞c. to 5c.

There was no trading in tallow futures on the New York Produce Exchange from February 17 to February 23 inclusive. Following is a price record for the week:—

	—Cents per pound in tanks— High.	Low.	Close.
May	...	...	5.50 bid
July	...	...	5.50 bid

Animal Oils

Lard.—Selling schedules were maintained at former levels by producers. Business lacked snap, but there was a fair request for moderate quantities of all grades.

CHICAGO, March 1.—Lard oil, No. 1, 8⅛c. to 8⅜c. per pound.

Neatsfoot. — Quotations stationary and market tone steady. Purchasing generally limited to moderate lots to fill current requirements.

Oleo.—No broadening of trade was noted, but a rather better inquiry was noted in some quarters for moderate lots. Prices steady.

CHICAGO, March 1.—Prime oleo oil, 7¾c. to 8c. per pound.

Tallow.—Quotations unchanged and market tone steady. Business routine.

CHICAGO, March 1.—Acidless tallow oil, 8c. to 8¼c. per pound, tanks.

Waxes

Bees.—African crude yellow wax shaded to 26½c. per pound, 10-bag lots. Other crudes unchanged. Refined and bleached waxes maintained in price. Demand very good with future considered satisfactory.

Candelilla.—Sharp rise in carnauba expected to bring larger demand for this item. Prices very steady. Fully stabilized and controlled in primary market.

Carnauba.—Further sharp advance in prices. Heavy demand on the rise. Export business excellent. Present market strength believed caused by definite shortage in production in Brazil. Spot quotations, subject to confirmation because of primary market situation, were as follows: No. 3 chalky, ton lots, 46c. to 47c. per pound; 5-bag lots, 46½c. to 47½c.; 1-bag lots, 47c. to 48c.; No. 2 North Country, 56c. to 57c.; No. 3 North Country, ton lots, 51c. to 52c.; 5-bag lots, 51½c. to 52½c.; 1-bag lots, 52c. to 53c.; refined, 55c. to 56c.; No. 1 yellow, ton lots, 74c. to 75c.; 5-bag lots, 74½c. to 75½c.; 1-bag lots, 75c. to 76c.; No. 2 yellow, 72c. to 73c.

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BRUCINE ALKALOID
BRUCINE SULFATE

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March 14, 1940

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NYQ

Drugs, Fine Chemicals

Italy Reported Prohibiting Quicksilver Exports — Spot Price Responds to Stimulus — Tartar Products Still Strong —Minor Alkaloids in Short Supply—Fair Demand

The feature of the week was the United Press despatch from Rome, Italy, reporting that an official decree prohibiting export of quicksilver from Italy for the duration of the war had been put into effect. Spot prices rose moderately on the news. More important still, sellers of domestic metal became reserved in their offerings and were disposed to await further developments, especially in view of the fact that a substantial inquiry for metal was reaching here from Europe. Mercurials were naturally on the firmer side generally.

Normal supplies of saponin, especially of the imported article, were said to be lacking. Tartar products were strong, reflecting the strength and high cost of raw materials, as well as the presence of very fair demand. Santonin was very firm but the call was small.

Iodides moved very well at full prices. Cadmium metal came in for an excellent call from the plating industry. Strychnine was firmer, in keeping with the raw material developments of late. Alcohol sales continued to run to an excellent gallonage. Seasonal items, such as guaiacol in all its forms, creosote, codeine, codliver oil, bromides, quinine and its salts, etc., all underwent a steady and substantial demand from consumers and distributors.

Price Changes

Advanced

Quicksilver, domestic, $2 per flask.

Reduced

None

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
197.6	197.5	197.8	182.7

Market news that may have developed after this report was sent to press will be found on page 4.

Acid, Acetylsalicylic.—Good demand and very steady market conditions. Prices fully maintained.

Acid, Citric.—Trade still light. Improvement to come with Spring, according to expectations. Fully stabilized prices.

Acid, Lactic.—Demand routine. Volume moderate. Prices steady to firm. Competition negligible.

Acid, Tartaric.—Strong situation unaltered. Raw material costs high. Offerings moderate at sources of supply. Demand for acid fair. To improve with Spring.

Alcohol.—Business very good. Industrial consumption running to excellent totals. Prices fully firm. Competition less a part of trade than at times in past.

Aloe.—No further price recession. Market steady at decline. Demand equals recent volume.

Ammonia Salicylate.—It was incorrectly reported in the February 26th issue that the price was 26c. per pound. The correct price is $1.15 to $1.20 per pound, according to quantity.

Bismuth Metal and Salts.—More business noted. Major salts move well. Prices firm at all times. No unusual competition.

Borax.—Consumption running well in line with contract commitments. General situation called satisfactory.

Brucine. — Market steady. Special feature lacking. Prices maintained by firsthands. Some resale competition noted.

Cadmium. — Movement excellent. Platers consuming important quantities of metal. Prices fully firm in all respects.

Caffeine.—Strong situation. Producers pressed to keep up with consumer needs. Conditions said to be very tight. Early relief not in sight.

Calomel.—High cost raw material makes this item strong. Producers awaiting further developments in metal market. Demand normally active.

Camphor.—Strong market, all respects. Domestic synthetic production well sold ahead. Producers conservative in taking new business for prompt delivery. Raw material market steadier at levels apparently permitting maintenance unchanged of prices on technical material. Japanese material firmer.

Castor Oil.—Firm undertones and strong prices. Demand excellent.

CHICAGO, Feb. 29.—Castor oil prices are:—Cold pressed, U.S.P., barrels, car lots, 13⅝c. per pound; barrels, less than car lots, 14⅜c.; returnable drums, car lots, 13⅜c.; drums, less than car lots, 14⅛c.; tanks, 12⅞c.; extracted, No. 3, barrels, car lots, 13⅛c.; barrels, less than car lots, 13⅞c.; returnable drums, car lots, 12⅞c.; drums, less than car lots, 13⅝c.; tanks, 12⅜c.

Cream of Tartar.—Movement steady and regular. Market firm. Prices still influenced by high cost of raw material.

Creosote.—Larger demand. Seasonal expansion of activity comes in very firm market. Competition negligible.

Emetine.—Strength unabated. Most desirable grade raw material no cheaper and offered seldom from source. Conditions favor sellers as to price.

Ephedrine.—Raw material cost of natural item higher. Demand reported active and equal to recent volume. Prices steady.

Epsom Salt.—Business steadily active along routine but satisfactory lines. Prices held firm. Competition inactive.

Eserine.—Replacement very firm. Purely a sellers' market. Not a great deal of demand.

Formaldehyde. — Contract tenders taken up promptly. Consumption reaching satisfactory total. Stable raw material cost keeps prices well maintained.

Glycerin.—Business routine but satisfactory. Trade along normal lines of consumption. Prices steady and apparently well stabilized. No unsettlement or early change in sight.

CHICAGO, Feb. 29.—Glycerin prices are:—Chemically pure, 12¼c. per pound, tanks; 12½c., drums, car lots; 13c., drums, less than car lots; high gravity, tanks, 11¾c.; drums, car lots, 12c.; drums, less than car lots, 12½c.

Guaiacol Carbonate.—More than ordinarily good demand noted. Seasonal consumption working to full maintenance of prices and curtailment of competition.

Iodine and Iodides.—More than ordinarily good request with major items moving well and up to normal. Iodide manufacturers apparently assured raw material supplies.

Magnesia.—All forms moving well. Price maintenance generally reported. Consumers taking usual needs promptly. No curtailment of domestic stocks.

Menthol.—Business fair but market called definitely competition to an extent out of line with prevailing prices and market conditions in Japan.

Mercurials.—Business normal. Prices very firm. Raw material apparently

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

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strong, basically. Producers await further quicksilver developments.

Methanol.—Movement of synthetic very good. Contract buyers taking up tenders promptly. Prices continue to show stabilization.

Methylethyl Ketone.—Prices fairly stable. Undertone of firmness reported. Demand maintained in recent volume.

Morphine.—Seasonal consumption of sulphate keeps fine volume of trade. Acetate also featured. Prices firm.

Quicksilver.—Export of quicksilver from Italy prohibited for duration of the war by official decree, according to the United Press. No official confirmation here. Sellers became reserved, however. Price, $182 to $185 per flask as to seller and quantity. Europe reported buying here.

SAN FRANCISCO, Feb. 28.—Steady buying of quicksilver at $175 to $180 per flask and the situation remains firm. Some inquiry noted from New York. Current monthly production for the country at large is in the neighborhood of 1,700 to 1,800 flasks, an authority here states.

Quinine.—Market stability the rule. Trade seasonally active and in good volume. Prices fully firm and lacking in change.

Rochelle Salt.—Firm market. Raw material cost still governing factor. Demand up to normal volume.

Saccharin.—Producers meeting all actual consuming demands promptly. Speculative buyers get short shift. Market very firm. Home demand unexceptional.

Salicin.—Business very fair but rather routine in kind. Prices steady to firm.

Salol.—Orders keep to normal volume. Market undertones very steady. Prices reveal stabilized position. Sign of change lacking.

Santonin.—Prices firm in slow market. Pickup in call expected soon. Situation considered one of strength.

Saponin.—Prices firm. Demand good. Foreign item in light supply. Crude, $2.25 per pound. Purified, $3. Trade disrupted by war.

Seidlitz Mixture.—Movement somewhat less active. Market no less strong than recently. Raw material continued to show much strength.

Silver Nitrate.—Price schedule, basis 100-ounce lots. Smaller lots cost 1c. to 2c. more; 500 ounces, about 1c. less. Table compares prices on bullion, New York and London.

	Per ounce		
		Bullion	
	Nitrate, Cents.	New York, Cents.	London, Pence.
Saturday	26⅞	34⅜	20⅛
Monday	26⅞	34⅜	20⅛
Tuesday	26⅞	34⅜	20⅛
Wednesday	26⅞	34⅜	20⅛
Thursday	26⅞	34⅜	20⅛
Friday	26⅞	34⅜	20⅛

Soda Benzoate. — Business routine but showing signs of improvement. Price stability a feature. Ample stocks seemed to exist.

Soda Bicarbonate.—The U.S.P. had a fair but not expansive call. Prices steady to firm.

Soda Cacodylate.—Still a sellers' market. Stocks held by few but very strong hands. Market $6 per pound.

Soda Perborate.—Prices well stabilized. Flow of orders in line with normal experience. Market generally firm.

Soda Salicylate.—Fairly broad trading at firm prices. No danger of stock shortage, it was said.

Sparteine Sulphate.—In low supply. Replacement uncertain and difficult. Not much trading.

Warren E. Johnson has joined the metropolitan New York sales staff of the U. S. Industrial Chemical Co.

Trade Briefs

Colgate-Palmolive-Peet Company, Jersey City, stockholders will vote March 15 upon the proposed refunding of $12,500,000 of 6 percent cumulative preferred stock.

Ernst Bischoff Company, manufacturer of pharmaceuticals, Ivoryton, Conn., has established a fund for dermatological research at Tuft's College Medical School, Boston, Mass.

American Quicksilver Corporation has been organized in Los Angeles. The directors are Louis Lubert, J. B. Lyman, and G. G. Moore. It is statutorily represented by W. W. Kaye, 609 South Grand avenue, Los Angeles.

Procter & Gamble Manufacturing Company, Cincinnati, has purchased the former Hughes Furniture Manufacturing Company's plant, adjoining the Baltimore factory of the Procter & Gamble organization. The property will be held for future expansion.

W. J. Wardall, trustee of McKesson & Robbins, Inc., this city, has been authorized to sell 6,000 shares of $25 par 7 percent cumulative convertible preferred stock of Crown Drug Co. to the latter company for $97,375 in cash, equal to $16.23 a share.

L. R. Root, of the Scovill Manufacturing Company, is chairman of the convention committee for the coming annual meeting of the Toilet Goods Association which will be held in this city May 14 to 16. The committee has its headquarters in room 630, the Chrysler building.

"American Pharmacy" will be the topic of the "World Is Yours" broadcast March 24 at 4:30 p.m. Eastern standard time over the NBC red network. This series is prepared by the United States Office of Education in cooperation with the Smithsonian Institution. A booklet on the pharmacy broadcast, "American Pharmacy—First Line Defense Against Disease," by Charles Whitebread, curator of medicine and public health at the Smithsonian Institution, may be got subsequently from the institution in Washington at 10 cents a copy.

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A.D.M.A. Convention Hotel Rates Arranged

Hotel rates for conventioners at the twenty-ninth annual meeting of the American Drug Manufacturers Association will be $12 a day, American plan, for a single room with board; $11 each for two in connecting rooms with bath; $10 each for two in a double room; additional parlors will be $8 to $10. The place will be the Greenbrier, White Sulphur Springs, W. Va.; the time, May 6 to 9. Reservations should be made with the assistant manager of the hotel, George D. O'Brien, White Sulphur Springs.

The convention will begin with sectional meetings May 6; it will go into its first general business session the next forenoon. The annual dinner is scheduled for 7:30 p.m. May 8.

The general committee on entertainment for the convention is headed by William D. Barry, of Mallinckrodt Chemical Works, New York; J. P. Remensnyder, of the Heyden Chemical Corporation, is vice-chairman.

The subchairmen for the several duties of the committee are:—

Banquet, W. N. De Noyelles, of Charles Pfizer & Co., New York.

Evening entertainment, J. P. Remensnyder, of the Heyden Chemical Corporation, New York.

Golf, Herman J. Dietel, of Merck & Co., Rahway, N. J.

Ladies' events, A. A. Wasserscheid, of Mallinckrodt Chemical Works, New York.

Publicity, Gerald S. Furman, of Merck & Co., New York.

Tennis, S. Barksdale Penick, jr., of S. B. Penick & Co., New York.

Transportation, Robert B. Magnus, of Magnus, Mabee & Reynard, Inc., New York.

W.H. Bradshaw Awarded Jacob Schoellkopf Medal

Buffalo, Feb. 29, 1940

The Western New York section of the American Chemical Society announced that the 1940 Jacob Schoellkopf Medal will go to William Henry Bradshaw, of the rayon department of E. I. du Pont de Nemours & Co., Buffalo. The medal will be presented at the May meeting, when Mr. Bradshaw will address the section.

The award is made particularly for the research development under Mr. Bradshaw's direction, which has resulted in the commercial production of 'Cordura,' a high-strength viscose process yarn being used extensively in the manufacture of automobile tires.

The Jacob F. Schoellkopf medal is awarded annually by the Western New York section for distinguished research or chemical achievements by chemists of the section. Mr. Bradshaw was born in DeKalb, Ill. He was graduated with the degree of bachelor of science from Beloit College, Wis., in 1904. In 1907 he was given the degree of chemical engineer by the Massachusetts Institute of Technology, following two years' post graduate work at that institution.

Minnesota Mining to Make Mineral Pigments, Oxides

The Minnesota Mining and Manufacturing Company, St. Paul, Minnesota, started production February 12 of chemically made mineral pigments at its Copley, Ohio, plant. New buildings erected especially to house the color processes were completed during late 1939 and January, 1940.

The Minnesota Mining Company, long a large buyer of these products, primarily erected the plant to supply its own requirements, but the capacity of the new color works is sufficient to allow the sale of a substantial tonnage above its requirements.

Geo. B. Smith, of Geo. B. Smith Colors of Evanston, Illinois, designed the processes as consultant, for the Minnesota Mining Company. Geo. B. Smith Colors will sell the products manufactured at the Copley plant through the Smith organization at Evanston, Illinois and Akron, Ohio.

Natural oxides will also be manufactured in a new plant at Copley, Ohio. Geo. B. Smith Colors will cease producing natural pigments at its Illinois plant and all of the natural oxide manufacturing for the Smith company will be centered at Copley. The list of these offerings includes red and brown oxides of iron, mineral reds, black fillers, yellow oxides of iron, siennas, and umbers.

Stream Pollution Bill Passed by House

—Continued from page 3

nance Corporation instead of by the Secretary of the Treasury.

The bill proposes to establish a division of water pollution control in the United States Public Health Service directed to prepare, in cooperation with other Federal agencies and the States, plans for eliminating or reducing discharges of sewage, industrial waste, and other polluting substances into navigable waters.

Insect Control Fund Reduced by House

OPD Washington Bureau
February 27, 1940

The house has accepted the recommendation of its committee on appropriations to cut $1,000,000 from the budget bureau's estimate for control of incipient and emergency outbreaks of insect pests.

This year's appropriation, as agreed to by the house in passing the first deficiency appropriation bill, will total $2,000,000. In its report recommending the reduction from the budget bureau's estimate for $3,000,000, the house committee pointed out that there is available an additional $400,000 carried over from last year and that preliminary surveys indicate that grasshopper infestations are expected to be less numerous than previously.

Reichhold Co. Bklyn. Plant Damaged by Vat Explosion

A 500-gallon vat, used to make dyes for paints, exploded at the Reichhold Chemical Company's Brooklyn plant February 29. The explosion shattered all the windows on the ground floor of the two-story brick building, blew a number of barrels through the windows and ignited the contents of several other vats. Six men were injured, one fatally, but approximately 200 other employees escaped without injury.

M.C. Swope Starts Business In Philadelphia Area

M. C. Swope, who recently resigned from Montgomery Bros., Inc., Philadelphia, has entered business on his own account, with offices and warehouse at 3303 Richmond street, Philadelphia. Mr. Swope will continue the distribution of the aromatic solvents of the Union Oil Company of California, as well as sell a full line of coaltar products, chemicals and chemical specialties.

Dewey & Almy Acquires Site for Chicago Plant

The Dewey & Almy Chemical Company, East Cambridge, Mass., has acquired a plot of 5½ acres at Fifty-first street and Meade avenue, Stickney township, for a new Chicago plant. The first unit, to provide about 30,000 square feet, will cost approximately $125,000. The Dewey & Almy company recently sold privately 16,000 shares of its common stock at $26.50 a share. Proceeds will be used for additional working capital and plant expansion.

Trade Briefs

Western Wholesale Cosmetic Company has been established by Patricia Halstead at 1275 South Norton avenue, Los Angeles.

Sharp & Dohme, Inc., pharmaceutical manufacturer, Philadelphia, held its annual banquet and dance for the Sales Club of the Baltimore office in the Lord Baltimore Hotel February 10.

Sekov Corporation, Hollywood, Cal., and E. M. Vokes and Hazel R. Vokes, its officers, have been preliminarily enjoined by the Federal court from misrepresenting "Sekov" to be a safe treatment for obesity.

Cerro de Pasco Copper Corporation will move its executive offices in April to the Manhattan Company building, 40 Wall street, from their current location in 44 Wall street.

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Drug Labeling Problems To Be Discussed March 5

—Continued from page 3

Ergosterol

Ergosterol must be labeled to show the method of activation; the phrase, "activated by photochemical means," is not considered adequate and must be accompanied by an explanation of the method and patent numbers, if any. This also applies to nonofficial preparations containing activated ergosterol.

Flavorings

Because all flavoring extracts and their imitations must be full strength or be classed as adulterated, the administration feels that use of the term, "full strength," on the label may be misleading as it may convey an impression that the product is outstanding in this particular.

Vanillin Ice Cream

Ice cream flavored with vanillin must be labeled as containing an artificial flavor, the administration has ruled. It is suggested that the proper labeling would be "Ice cream flavored with vanillin, an artificial vanilla flavor." The administration stated that the expression, "Vanilla ice cream artificially flavored," is inappropriate and ambiguous but that it would not object to this labeling pending final determination of the question at forthcoming hearings on standards of identity for ice cream.

Coca-Cola Trademark Upheld

Manufacturers of "Dixi-Cola," "Marbert Cola," "Lola Cola," and "Apola Cola" were held to have infringed the trademark of "Coca-Cola" and to have committed fraudulent trade practices, in a decision handed down recently in the Federal District Court in Baltimore. The court permanently enjoined the defendants from using, as part of the name of their product, the word "Cola." In addition to the infringement complaint, the defendants, including Dixi-Cola Laboratories, Inc., Marbert Products, Inc., and Apola Extract & Syrup Company, together with individual officers of each, were found to have simulated colors and markings used by Coca-Cola.

Obituaries

O. McG. Howard

Otis McGaw Howard, former publisher and editor of trade periodicals, Chicago, died February 29 in Rochester, N. Y., following an operation. He was seventy-one years old.

Mr. Howard was born in Washington, son of Gen. Charles H. and Mary Katherine (Foster) Howard. The family moved to Chicago in 1870, and the boy got his early education there. He received a B.A. degree from Northwestern University in 1889 and that of bachelor of laws from the Chicago Law School; for a time he studied chemistry at the University of Goettingen, Germany.

He became treasurer of the Howard & Wilson Publishing Company in 1895; the name of this concern was changed to the Howard Company in 1905; it published an agricultural paper and developed land in California. From 1907 to 1914 he was connected with several publishing and printing houses in Chicago. In the latter year he purchased the D. Van Ness Person Publishing Company and became editor and publisher of the *Paint, Oil and Drug Review*, later changing the name of the concern to the Trade Review Company and that of the publication to *Paint, Oil and Chemical Review*. He retired from business in 1937.

Mr. Howard was president of the Paint, Oil and Varnish Club of Chicago in 1927-28. He was active in the affairs of the national organizations of the paint and varnish industry, and a member of the American and British chemical societies and the American Society for Testing Materials. Mrs. Howard, who was Miss Hattibel Cook prior to their marriage in 1908, died in 1937. Mr. Howard's immediate survivors are four brothers and two sisters.

Howard W. Lewis

Howard W. Lewis, an assistant purchasing agent in the purchasing department of E. I. du Pont de Nemours & Co., Wilmington, Del., died February 29 of heart trouble, following an illness of three weeks. He was forty-seven years of age.

Mr. Lewis started with the company as a chemist in 1915, following his graduation from Washington College, Chestertown, Md. He spent five years in the laboratories at Gibbstown and Deepwater Point, N. J. In recent years he was purchaser of essential raw materials, especially coaltar solvents, special alcohols and acetates. He was well-known for his extensive activities in the affairs of the Purchasing Agents Association of Philadelphia. Surviving are his wife and daughter.

William J. Bellinger, for many years purchasing agent for the Union Carbide Company, died February 21 in a hospital in Buffalo after a short illness. He was fifty-eight years of age.

Clifford L. Blauvelt, secretary-treasurer of the Blauvelt-Wiley Paper Manufacturing Company, this city, died in a hospital in Glen Ridge, N. J., recently. He was sixty-five years of age.

George Gallagher, prominent oil producer in the Bradford, Pa., field, died in Bradford of a heart attack February 23. He was eighty-three years old.

Robert E. Hinman, a director of the Bleknap Hardware & Manufacturing Company, Louisville, Ky., paint dealer, died February 18. He was sixty-two years of age.

Joseph Hollander, founder of Hollander Brothers, fur dressing and dyeing, Newark, died February 26. He was eighty years of age.

Anthony Huber, founder and president of the Huber Machine Company, manufacturer of soap machinery, died in his home in Brooklyn, February 28. He was eighty years of age.

Oliver Johnson, founder and former president of the Wheeling Can Company and the Johnson-Morse Can Company, died in Wheeling, W. Va., February 26. He was seventy-one years of age. The companies are now affiliates of the Continental Can Company, New York.

Harry Shannon, well-known Pennsylvania oil producer, dropped dead in his Derrick City home February 23. He was sixty-two years of age.

John G. Shilvock, president of the Great Lakes Paint & Varnish Company, paint manufacturer, **died** February 22 in his home in River Forest, Ill. He was sixty-one years of age. He is survived by a wife, two sons and a daughter.

George B. Spettigue, for thirty-two years a district manager for Sherwin Williams Company, paint manufacturers, this city, died February 29 in Summit, N. J.

Frank B. Stevens, a founder and director of the Patterson-Sargent Paint Company, Cleveland, died February 22 in a hospital in Biloxi, Miss. He was eighty-two years of age. Surviving are his wife and a son.

William H. Wright, vice-president of the Semet-Solvay Engineering Corporation, this city, died in his home in Mountain Lakes, N. J. He was sixty-one years of age. Surviving are his wife, one daughter and three sons.

Chicago Drug Club Hears Dr. Luccock on Far East

The Chicago Drug and Chemical Association held its regular monthly meeting in the Hotel Morrison, Chicago, February 29. The guest speaker was Dr. Emory W. Luccock, Evanston, Ill., who discussed conditions in China and the hostilities between China and Japan. Dr. Luccock's information was gained from spending fifteen years in China.

Nickel, copper, and precious metals recovery from domestic ores by a combined electrothermal and electrolytic method is described in Bureau of Mines report of investigations No. 3483, a twenty-seven-page bulletin which may be got free by addressing the bureau in Washington.

Botanical Drugs, Spices, and Gums

Scarcity Forces Sharp Advance in Jalap Prices—Cut and Sifted Buckthorn Irreplaceable and Higher — Nominal Position in Bleached Calamus and Pulsatilla

Numerous and substantially sharp advances in prices on a number of fairly important medicinal botanical drugs featured the spot market during the past week. The rise in values was definite proof of the often made declaration that the market was basically and intrinsically strong, sensitive, and upward in tendency.

Replacement conditions accounted for some of the advances. Foreign shippers, especially, have known full well the value of their unsold stocks. Hence, though demand had shrunken, they had simply awaited its revival in order to obtain in full measure the prices at which they held their merchandise. In fact, more often than not they have been able to get advances over their previously minimum figures.

In considerable measure, the philosophy of foreign suppliers formed the basis of the market approach of most dealers and importers on this market. The recession in their sales for the most part produced no important weakening of prices that had been in line with replacement costs. Hence, revival of activity at home and abroad found prices here subject to advances. At the close of a fairly active week, practically all prices were notable for strength.

Balsams

Peru.—No further shading. Steadier undertone. Little change in demand.

Tolu.—Strong situation. Source offers little. Prices tend upward here. Offerings light on spot.

Barks

Buckthorn.—No replacement of cut and sifted bark possible now. Comes from Germany. Spot market higher at 28c. to 30c. per pound. Strong situation. Ordinary bark firm at 20c. to 22c. Comes from Russia.

Condurango.—Steady. No further decline. Irregular request.

Dogwood.—Sales at advance to 8c. to 10c. per pound. Firmer situation at all points. Fair demand.

Orange Peel.—Sweet peel lower at 16c. to 17c. per pound. More competition. No change in bitter peel at 9c. to 10c.

Beans

St. Ignatius.—Few orders. Firm prices. Stocks moderate in size. Poorly distributed.

Vanilla.—Market fully strong. Small stocks on spot and abroad. Outlook poor for price movements in favor of buyers. Madagascar cables higher. Crop about exhausted. New crop Mexican cuts arriving here. Fair demand and firm spot prices.

Berries

Hawthorn.—No further price decline. Steadier situation. Demand mainly jobbing.

Price Changes

Advanced

Buckthorn bark, cut and sifted, 7c. per lb.
Calamus root, bleached, 25c. per lb.
Cardamom, decorticated, 12c. per lb.
green, 5c. per lb.
Celery seed, French, 1¼c. per lb.
Cassia, Batavia, broken, ½c. per lb.
Dogwood bark, Jamaica, 1c. per lb.
Ephedra herb, 2c. per lb.
Golden seal root, whole, 15c. per lb.
powdered, 15c. per lb.
Henbane leaves, 10c. per lb.
Ipecac root, whole, 5c. per lb.
powdered, 5c. per lb.
Jalap root, whole, 12c. per lb.
powdered, 12c. per lb.
Juniper berries, 1c. per lb.
Lobelia herb, 1c. per lb.
Lycopodium, 25c. per lb.
Manna flake, large, 5c. per lb.
small, 5c. per lb.
Orris root, Florentine, whole, 2c. per lb.
powdered, 5c. per lb.
Verona, whole, 4c. per lb.
powdered, 4c. per lb.
Pepper, black, Alleppy, ¼c. per lb.
Tellicherry, ¼c. per lb.
Serpentaria root, 12c. per lb.
Tonga vine, 10c. per lb.
root, 8c. per lb.

Reduced

Anise, Spanish, ½c. per lb.
Coriander seed, bleached, ¼c. per lb.
Clove, Zanzibar, ¼c. per lb.
Colombo root, 3c. per lb.
Dill seed, ½c. per lb.
Fennel seed, Indian, ¾c. per lb.
Fenugreek seed, ½c. per lb.
Ginger root, African, ½c. per lb.
Mace, Siauw, 2c. per lb.
Marjoram, Chilean, ½c. per lb.
Millet seed, yellow, domestic, ¼c. per lb.
early fortune, ¼c. per lb.
Orange peel, sweet, 1c. per lb.
Pimento, ¼c. per lb.
Safflower, 1½c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
195.7	**190.5**	**189.2**	**119.0**

Market news that may have developed after this report was sent to press will be found on page 4.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1940, and the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Detained.	Entered.
Anise	...	1,288
Belladonna	7	177
Caraway	...	9,480
Cardamom (cases)	...	480
Celery	...	2,626
Coriander	300	3,170
Cumin	169	1,889
Digitalis leaves (cases)	1	1
Dill	...	74
Fennel	290	703
Henbane leaves (bales)	108	169
Mustard	300	3,815
Poppy	...	4,303
Sage leaves (bales)	...	574
Sesame	750	3,474
Stramonium	112	284
Thyme	...	304

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Juniper.—Market higher. Sales at 12c. to 13c. per pound. Good quality berries not well stocked here. Replacement cost strong at source.

Flowers

Chamomile.—Very good call. Undertones firm. Little local competition. Replacement cost strongly maintained abroad.

Rose.—Red petals maintained at recent decline. Pale petals steady to firm. Routine demand.

Safflower.—Market openly lower at 28½c. to 29c. per pound. Competition active. Sales outlets narrow.

Saffron.—Spanish flowers firmer. No further shading. Some upward tendency noted. Mexican item slightly unsettled but prices remain intact.

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PARSLEY SEED
SAGE LEAVES
SESAME SEED HULLED
THYME LEAVES
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ASPIRIN, QUININE AND OTHER TABLETS
BARBITAL
CAFFEINE
CARBOLIC ACID CRYSTALS
EPHEDRINE SALTS
ICHTHAMMOL
LANOLIN ANHYDROUS
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BELLADONNA ROOT
GENTIAN ROOT
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM CAMPHOR JAPANESE
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HELLEBORE ROOT WHITE
HERBE MENTHE
HOREHOUND HERB
IPECAC ROOT
LAVENDER FLOWERS
LINDEN FLOWERS
MAHUANG, CHINESE
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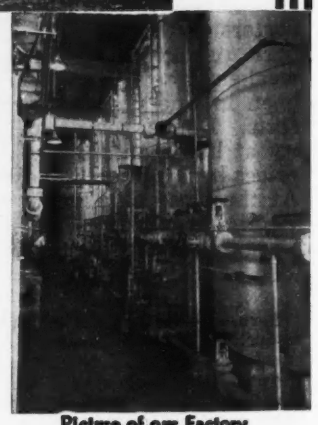

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Gums

Aloe.—Curacao slightly easier but lacking in price change. Other varieties steady. Routine trading noted.

Arabic.—Still unsettled. Competition quite aggressive. Tendency to shade prices on large business. No open change reported.

Asafetida.—Request along jobbing lines quite steady. Prices firmly held. No surplus of supply.

Benzoin.—Market competitive. Sellers report demand as changeable. Volume somewhat under normal. Prices fairly easy.

Camphor.—Domestic synthetic production sold well ahead. Prices in strong position. New business very good. Japanese natural item steadier. No further shading on spot. Some tendency of prices to recover recent loss noted.

Herbs and Leaves

Ephedra.—Market higher at 12c. to 13c. per pound. Consumption has been stimulated by seasonal influences.

Henbane.—One important quarter has gone to 70c. per pound. Market in other directions no lower than 60c. as firm quotation. Stocks moderate. Replacement indeterminate.

Lobelia.—Sales at 13c. to 14c. per pound record slight advance. Generally firm market.

Senna.—Very little good colored No. 3 T. V., available on spot. Whole group very steady market. Consumption normal.

Miscellaneous

Ergot.—Still strong and likely to remain so. Many months before new crop. Size of crop highly uncertain. Unsold stocks very small in Europe. Held in strong hands. Entire market tendency upward.

Grains of Paradise.—Further price reduction. Market down to 38c. to 39c. per pound. Conditions favor buyers.

Lycopodium.—Sales made at $4 per pound. Range to $4.10. Very small stocks in most quarters.

Manna.—Further price advance. Large flake now 70c. to 75c. per pound; small flake, 50c. to 55c. Local movement reflects parallel development in Europe.

Roots

Calamus.—Bleached item purely nominal at $1.25 per pound. Almost unobtainable.

Colombo.—More competition. Sales at 15c. per pound establish lower market.

Golden Seal.—Market higher. Whole, $3.85 to $4 per pound; powder, $4.10 to $4.25. Both prices done and more business in sight. Firsthands hold conservative stocks.

Ipecac.—Further price rise. Whole, $1.25 to $1.30 per pound; powder, $1.40 to $1.45. Prices quoted named on Nicaraguan root. Brazilian item very high and offered sparingly at source.

Jalap.—Sharp advance in prices. Whole, 36c. to 37c. per pound; powder, 40c. to 41c. Practically nothing offered from the source.

Orris.—Shipment quotations fully 1½c. per pound higher, for Italian ports. Spot higher. Florentine, whole, 14c. to 17c. per pound; powdered, 21c. to 22c.; Verona, whole, 15c. to 16c.; powdered, 19c. to 20c.

Serpentaria.—Sales at 90c. record sharp rise. Strong market. Stocks conservative at all points.

Tonga.—N.F., quality 65c. to 70c. per pound for vine; root, 65c. to 70c. Both firm at the advance. No surplus of supplies.

Seeds

Anise.—Spanish shaded to 27½c. to 28c. per pound. Other kinds unchanged.

Cardamom.—Decorticated seed sharply higher at 95c. to 98c. per pound. Ditto green at 78c. to 80c. Bleached firmer. Unchanged.

Celery.—French seed higher at 19½c. to 20c. per pound. Indian firming up but unchanged.

Spices

Cassia.—Batavia broken cassia advanced to 12c. to 12½c. per pound.

Clove.—Zanzibar easier and lower at 16¾c. to 17¼c. per pound.

Ginger.—African root lower at 8¼c. to 8⅝c. per pound. Jamaica root steady to firm.

Pepper.—Black Alleppy higher at 7¾c. to 8¼c. per pound; Tellicherry, 8c. to 8¼c. White and red peppers quiet but steady.

Trading in black pepper futures on the New York Produce Exchange from February 24 to March 1, inclusive, comprised 193 contracts, a total of 6,484,800 pounds. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
January	4.30	4.30	4.28@4.31
February	4.32	4.32	4.32@4.34
March	3.99	3.71	3.95@3.97
April	3.98	3.90	3.97@4.00
May	4.04	3.98	4.00@4.03
July	4.14	4.12	4.08@4.11
September	4.13	4.13	4.13@4.17
October	4.18	4.18	4.18@4.21
December	4.33	4.22	4.25@4.27

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BRANCH STOCKS
BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.
FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR) FRANCE

Essential Oils, Aromatic Chemicals

Eucalyptus Up Sharply—Italian Lemon Lower—Wormwood Strong and in Low Supply—Wormseed Rise Expected to Continue—Anise and Cassia Steady Here

While less price activity than in the previous trading period was noted during the past week, the market showed continued strength in undertones and freedom from competition likely to affect prices adversely over the long run. Demand was somewhat better. Inquiries involved some gain in quantities in request and aided in building a very fair if not exceptionally large total volume of transactions.

Controlling factors in the price situation continued to be the cost of goods in primary markets and the almost total lack of signs indicating any important downward revision in the prices on goods intended to replace current spot stocks. What with uncertainties of production and the always influential element of transportation and insurance costs, the local dealers cannot hope for a much lower replacement market in the nearby future. They certainly do not expect one.

Price Changes

Advanced

Eucalyptus, 8c. per lb.

Reduced

Lemon, Italian, 10c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
96.5	96.6	95.7	69.5

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Market steadier. No further price shading. Fair consuming requests supports values.

Amber.—Irregular demand noted. Prices fairly steady. Little pressure to sell.

Anise.—Steadier market generally. Fair demand and inquiry. Replacement costs well maintained.

Apricot.—Steady undertones. Inquiry fair. Sales up to recent volume. Prices well held.

Bay.—Demand ordinary in all respects. Undertones steady. Replacement cost shows no unsettlement. Fair stocks available.

Bergamot.—Market firm. Trade steady but routine. No important spot stock surplus. Little competition.

Birchtar.—Well stabilized position locally. Trade moderate. Competition not important. Replacement cost firm.

Bois De Rose.—Very firm market. Replacement offerings few. Prices maintained at the source. Demand steady but routine locally. Stocks conservative.

Cajeput.—Trading along jobbing lines at steady prices.

Camphor.—Very firm situation. Stocks small. Offerings find ready market. Replacement cost firm and practically nominal.

Cananga.—Prices firm to steady. Little competition. Demand light but fairly regular.

Capsicum.—Stable raw material cost keeps prices steady. Demand routine but up to usual limits.

Caraway.—Spot price shading alleged. Not definitely confirmed. Basic position generally steady. Demand mainly for prompt needs.

Cassia.—More inquiry. Sales up in some quarters. Others report moderate but steady selling. Prices about firm.

Celery.—Steady market. No weakness in replacement position. Demand usually light and on hand-to-mouth basis. Little competition here.

Clove.—Strong situation persists. Output of producers finds owners promptly. Prices very firm.

Coriander.—Consumption moderate but steady. Prices firmly held. Little important competition.

Eucalyptus.—Market up sharply. Drume, 65c. to 70c. per pound; cans, 68c. to 73c. Reflects high replacement cost and absence of normal export offerings.

Geranium.—Demand improved. Small lot orders gain materially. Prices show firming tendency. Less competition.

Grapefruit:—Conditions favor normal supply of this item. Prices hold in well stabilized position.

Lemon.—Italian oil down to $3 to $3.75 per pound, spot. California oil remained at $3 per pound when the Italian item dropped. Situation bears close watching. Demand routine but steady.

Lemongrass.—No further decline. Market quiet. Demand usually jobbing. Fair quantities on spot and afloat.

Lime.—Signs of reviving demand noted. Spring expected to find fair request Prices grow steadier.

Orange.—Spot demand moderate. Signs of better business noted. Spring should find expansion in general requirements. Prices quiet.

Wormseed.—Still shows strength. Likely so to continue. New crop many months away. Present stocks in strong hands.

Wormwood.—Recent demand maintained with little trouble. Very small stocks outside of consumer supplies. Prices strong.

Aromatic Chemicals

Anethol.—Fair demand. Prices firm and without signs of pending unsettlement. Production costs well maintained.

Anisic Aldehyde.—More selling reported. Quantities taken also increased moderately. Generally firmer position.

Benzaldehyde. — Steady demand. Consumer interest about normal. Prices fully firm and well stabilized.

Benzyl Acetate.—Trade somewhat quiet but market holds steady. Sellers report no unusual competition.

Benzyl Alcohol.—Very good but usually jobbing demand keeps prices on the firm side.

Benzyl Cinnamate. — More inquiry and some gain in actual sales. Prices turn firmer as competition recedes.

Benzyl Formate. — Undertones steady. Sellers exert little selling pressure. Buyers covering needs fairly well ahead.

Benzyl Propionate.—Sales routine but volume holds close to normal. General market position well stabilized.

Benzyl Salicylate. — Business expanded moderate. Undertones strengthen. Priced firmer and less subject to competitive shading.

Bromstyrol.—Trade very good. Consumer needs have gained considerably. Prices generally firm.

Cinnamic Alcohol.—Selling quiet but along routine lines. Undertones steady with prices holding well.

Cinnamic Aldehyde.—Inquiry less active. Volume recedes moderately but not importantly. Prices likely to hold steady.

Citral. — Business about normal. Consumers taking usual needs promptly. Market of steady undertones created and maintained.

Coumarin.—Business steady. Production guaged to consumer requirements and movement into consumption reported at very good volume. Prices continued stabilized.

Diethyl Phthalate. — Demand less active. Buyers' exercise restraint. Prices unaffected.

Dimethyl Hydroquinone. — Some reports of price shading unconfirmed. Leading suppliers report steady to firm market.

Diphenyl Oxide.—Business routine and up to normal volume. Market fully firm and exceptionally stable.

Ethyl Vanillin.—Movement good. Prices stable. Competition restrained. Production costs steady.

Eucalyptol. — Raw material sharply stronger and higher. This item to rise soon. Some competition now holds back movement.

Vanillin.—Interest very good. Sales volume up to recent levels. Prices well maintained and display signs of stability.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

Read Drug & Chemical Company, Baltimore, has elected Arthur Nattans president.

Standard Brands Elevates Fleischmann and Luce

Albert R. Fleischmann, manager of the Chicago division of Standard Brands, Inc., and John W. Luce, manager in charge of production of all products, have been elected vice-presidents of the company. Mr. Fleischmann will continue to make his headquarters in Chicago, and Mr. Luce will continue his headquarters in New York at the home office of the organization.

Robert Gair Company, this city, has purchased an eight-acre site in Portland, Conn., for the erection of a plant.

ECONOMY IN WATER SOLUBLE BOUQUET ODORS . . .
ROSESOL MM&R . . . makes a Rosewater lower in cost and superior in every way to Rosewater U. S. P. quadruple strength.
ORANGESOL M M & R . . . produces, at noticeable saving, the highest grade of Orange Flower Water, closely approximating Orange Flower U. S. P. quadruple strength.
BLUEBELLOL M M & R . . . 1 oz. to a gal. of distilled water produces a fragrant lilac water of splendid character.
MAGNUS, MABEE & REYNARD, INC.
Essential Oils, Balsams, Aromatic Chemicals, Concentrated Flowers . . Since 1895
16 DESBROSSES STREET, NEW YORK, N.Y.
CHICAGO BRANCH: 180 N. Wacker Drive
CANADA: Richardson Agencies, Ltd., 454 King St., W., Toronto
An MM&R ECONOMY POINTER

WE SPECIALIZE IN REDISTILLING
in our factory. Try our

Oil of Cassia, Redistilled, U.S.P.

Oil of Peppermint, Redistilled, U.S.P.

Every trace of impurity removed. Flavor the finest it is possible to obtain.

GEORGE LUEDERS & CO.
427-429 WASHINGTON STREET, NEW YORK
Branches: Chicago, San Francisco, Montreal *Factory:* Brooklyn

D. W. HUTCHINSON & CO., Inc.
IMPORT **ESSENTIAL OILS** EXPORT
162-164 Front Street Established 1896 New York City

Detailed information gladly supplied

ORBIS
PRODUCTS CORPORATION
215 PEARL ST., NEW YORK

TOMBAREL
Supreme Flower Essences
Surfine Essential Oils
Basic Perfume Materials
Special Perfume Creations for All Purposes
Tombarel Products Corp.
9-11 East 19th Street, New York, N.Y.

Petroleum Solvents And Thinners

—*Continued from page* 3

interested in the conversion of natural petroleum into definite synthetic organic chemicals by means of molecular rearrangements.

Petroleum Is Complex

Petroleum, or crude oil, as it comes from the ground is fundamentally a highly complex homogeneous mixture of hydrocarbons of different groups, the constituents of each group ranging over a wide range of boiling points. These hydrocarbons are primarily of the paraffin, naphthene (closed saturated cyclic hydrocarbons), and aromatic series, the geographical source of the petroleum largely being instrumental in determining the percentage of each group present.

Refining procedure called for the separation of these hydrocarbons into different boiling fractions by simple distillation. The first fractions were, by necessity, very wide, such as gasoline and kerosene, but these fractions were narrowed to close limits in order to furnish industry with close-boiling fractions, such as thinners, diluents, extraction and cleaning solvents, etc. In answer to a demand from the automotive field for more gasoline per barrel of crude, the process of cracking (thermal decomposition) was developed, and this process marked the first attempt to meddle with the petroleum molecules and convert them into other products. At first, cracking was intended only to increase the gasoline yield, but it was later noted that in this process the changes in the product undergoing cracking resulted in the manufacture of not only more, but a better motor fuel from a detonation standpoint.

You have doubtless read in the newspapers and in your trade journals of new refining processes that will change the whole story of petroleum refining. Today, these processes, used or contemplated, are many and varied, but the principal conversion processes can be classified as follows (among many other processes too numerous and complicated to mention):—

Hydrogenation	Catalytic cracking
Dehydrogenation	Hydropolymerization
Polymerization	Depolyalkylation
Alkylation	Solvent extraction
Isomerization	
Aromatization	
Cyclization	

Some of the processes used are catalytic, and some are noncatalytic, but all have the same common end—the rearrangement of the petroleum molecule into some other type of molecular structure more in keeping with modern demands.

Hydrogenation

Hydrogenation is, as its name implies, the addition of hydrogen to the hydrocarbon molecule at the points of unsaturation. Following intensive cracking, a finished product can about be made to order. Some petroleum thinners of high solvency values were so prepared, but this was discontinued due to instability of the finished product. This process is catalytic.

Dehydrogenation

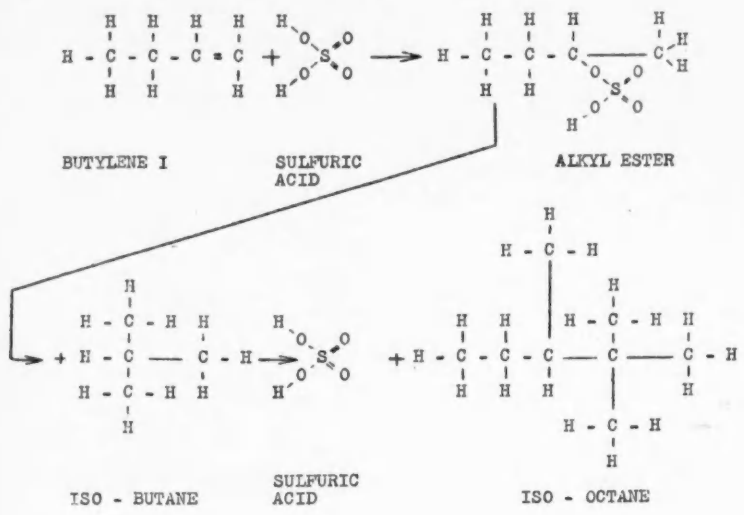
This is the removal of hydrogen from the molecule and is accomplished by shortening of the carbon chain or not, dependent upon conditions. This process can be either catalytic or noncatalytic.

Polymerization

This process involves the building up of small molecules into larger ones, the smaller ones in commercial use being the paraffinic and olefinic hydrocarbons up to and including butane, butylene, and butadiene. This process, both catalytic and thermal, produces higher boiling hydrocarbons. Some variations of this process give practically pure aromatic hydrocarbons that will some day find a place in your industry as well as a base for more involved organic synthesis.

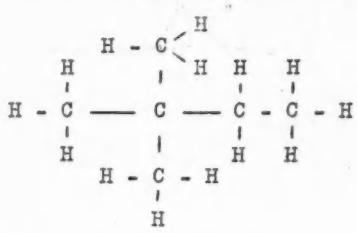
Alkylation

Alkylation is of utmost importance to us from military standpoints today, as it is the process by which isooctane, the base of super-aviation fuels, is prepared. Such [1] alkylation is done in the presence of sulphuric acid, and the simple mechanics thereof are as follows:—



The above reaction is being taken advantage of today, and many such plants are now under installation.

Alkylation can also be thermal, and one such process is now being used to manufacture neohexane—an isomer of



hexane that has come in for much consideration lately because of its extremely high antiknock characteristics.

[1] S. H. McAllister:—"High Octane Aviation Fuel by the Sulphuric Acid Alkylation Process" (The Refiner, November, 1939).

(To be continued)

Koppers Opens Tulsa Office

The engineering and construction division of the Koppers Company, Pittsburgh, has opened a branch in the Southwest to serve the oil and gas industries, according to Joseph Becker, vice-president. W. A. Leech, jr., for a number of years engaged in research and plant construction and operation for Koppers, is in charge of the office, which has been opened in the National Bank of Tulsa building, Tulsa, Okla.

Calif. Oil Ass'n Elects

R. E. Collo, vice-president of the Continental Oil Company, has been elected president of the California Oil and Gas Association. Other officers elected were:—Vice-presidents, Torrey H. Webb, of the Texas Company; William Reinhardt, of the Union Pacific Railroad Company; treasurer, H. L. Westbrook, of the Belridge Oil Company; F. E. Foster has been named managing director, and D. S. Kilgour, assistant manager.

What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Three-hundred-seventeenth Instalment

Paints

Driers Used in Making Paints

(Continued from February 26 issue)

Ferric oleate
Ferrous sulphate
Hydrocarbon lead phenolate
Iron linoleate
Iron linoleate with cyclohexylparatoluenesulphonamide
Iron linoleate with tributyl citrate
Iron linoleate with triethyl cirate
Iron naphthenate
Iron naphthenate with cyclohexylparatoluenesulphonamide
Iron naphthenate with tributyl citrate
Iron naphthenate with triethyl citrate
Iron oleate
Iron resinate
Iron rosinate
Iron salts of—
(1) Amylbenzoylorthobenzoic acid, normal, secondary, or disecondary
(2) Amylnaphthoylorthobenzoic acid, secondary
(3) Amyltetrahydrobenzoylorthobenzoic acid, secondary
(4) Amyltetrahydronaphthoylorthobenzoic acid, secondary
(5) Amyltoluylorthobenzoic acid, secondary
(6) Amylxyloylorthobenzoic acid, secondary
(7) Butylbenzoylorthobenzoic acid
(8) Caprylbenzoylorthobenzoic acid
(9) Hexylbenzoylorthobenzoic acid, secondary
(10) Octylbenzoylorthobenzoic acid, secondary
(11) Octylnaphthoylorthobenzoic acid, secondary
(12) Octyltoluylorthobenzoic acid, secondary
(13) Octylxyloylortho benzoic acid, secondary
(14) Orthoparamethylbenzylbenzoic acid
(15) Toluyl acid and its derivatives
Iron tungstate
Isosafrole
Lead with fatty acids, such as those of coconut oil
Lead acetate
Lead amido-substituted benzoates
Lead benzoates
Lead borate
Lead chloro-substituted benzoates
Lead erucate
Lead lanolinate
Lead laurate
Lead linoleate
Lead naphthenate
Lead naphthenic acid salt in free fatty acid of a drying oil
Lead oilsolate
Lead oleate
Lead palmitate
Lead peroxide
Lead, red
Lead resinate
Lead rosinate
Lead salts of—
(1) Amylbenzoylorthobenzoic acid, normal, secondary, or disecondary
(2) Amylnaphthoylorthobenzoic acid, secondary
(3) Amyltetrahydrobenzoylorthobenzoic acid, secondary
(4) Amyltetrahydronaphthoylorthobenzoic acid, secondary
(5) Amyltoluylorthobenzoic acid, secondary
(6) Amylxyloylorthobenzoic acid, secondary
(7) Butylbenzoylorthobenzoic acid
(8) Caprylbenzoylorthobenzoic acid
(9) Hexylbenzoylorthobenzoic acid, secondary
(10) Octylbenzoylorthobenzoic acid, secondary
(11) Octylnaphthoylorthobenzoic acid, secondary
(12) Octyltoluylorthobenzoic acid, secondary
(13) Octylxyloylortho benzoic acid, secondary
(14) Orthoparamethylbenzylbenzoic acid
(15) Paracymylorthobenzoic acid
(16) Paraisopropylphenol carboxylic acid
(17) Paraisopropylsalicylic acid
(18) Para-secondary-amylsalicylic acid
(19) Para-secondary-butylsalicylic acid
(20) Para-secondary-octylsalicylic acid
(21) Toluyl acid and its derivatives
Lead sebacate
Lead stearate
Lead sulpho salts (oil-soluble)
Lead uversol
Lead-manganese resinate
Lead-triethanolamine
Litharge
Magnesium oleate
Magnesium salts of—
(1) Amylbenzoylorthobenzoic acid, normal, secondary, or disecondary
(2) Amylnaphthoylorthobenzoic acid, secondary
(3) Amyltetrahydrobenzoylorthobenzoic acid, secondary
(4) Amyltetrahydronaphthoylorthobenzoic acid, secondary
(5) Amyltoluylorthobenzoic acid, secondary
(6) Amylxyloylorthobenzoic acid, secondary
(7) Butylbenzoylorthobenzoic acid
(8) Caprylbenzoylorthobenzoic acid
(9) Hexylbenzoylorthobenzoic acid, secondary
(10) Octylbenzoylorthobenzoic acid, secondary
(11) Octylnaphthoylorthobenzoic acid, secondary
(12) Octyltoluylorthobenzoic acid, secondary
(13) Octylxylorlorthobenzoic acid, secondary
(14) Paracymylorthobenzoic acid
(15) Paraisopropylphenol carboylic acid
(16) Paraisopropylsalicylic acid
(17) Para-secondary-amylsalicylic acid
(18) Para-secondary-butylsalicylic acid
(19) Para-secondary-octylsalicylic acid
Manganese salts with fatty acids, such as those of coconut oil
Manganese stearate
Manganese sulphate
Magnesium Salts of—
(11) Octylnaphthoylorthobenzoic acid, secondary
(12) Octyltoluylorthobenzoic acid, secondary
(13) Octylxyloylortho benzoic acid, secondary
Manganese acetate
Manganese amido-substituted benzoates
Manganese benzoates
Manganese carbonate
Manganese chloride
Manganese chloro-substituted benzoates
Manganese dioxide
Manganese hydrate
Manganese hydroxide
Manganese lanolinate
Manganese linoleate
Manganese linoleate with cyclohexylparatoluenesulphonamide
Manganese linoleate with tributyl citrate
Manganese linoleate with triethyl citrate
Manganese naphthenate
Manganese naphthenate with cyclohexylparatoluenesulphonamide
Manganese naphthenate with tributyl citrate
Manganese naphthenate with triethyl citrate
Manganese oleate
Manganese oxalate
Manganese oxide
Manganese palmitate
Manganese peroxide, hydrated
Manganese resinate
Manganese rosinate
Manganese salts of—
(1) Amylbenzoylorthobenzoic acid, normal, secondary, or disecondary
(2) Amylnaphthoylorthobenzoic acid, secondary
(3) Amyltetrahydrobenzoylorthobenzoic acid, secondary
(4) Amyltetrahydronaphthylorthobenzoic acid, secondary
(5) Amyltoluylorthobenzoic acid, secondary
(6) Amylxyloylorthobenzoic acid, secondary
(7) Butylbenzoylortho benzoic acid
(8) Caprylbenzoylorthobenzoic acid
(9) Hexylbenzoylorthobenzoic acid, secondary
(10) Octylbenzoylorthobenzoic acid, secondary
(11) Octylnaphthoylorthobenzoic acid, secondary
(12) Octyltoluylorthobenzoic acid, secondary
(13) Octylxylorlorthobenzoic acid, secondary
(14) Paracymylorthobenzoic acid
(15) Paraisopropylphenol carboylic acid
(16) Paraisopropylsalicylic acid
(17) Para-secondary-amylsalicylic acid
(18) Para-secondary-butylsalicylic acid
(19) Para-secondary-octylsalicylic acid
Manganese salts with fatty acids, such as those of coconut oil
Manganese stearate
Manganese sulphate

(To be contnued)

Petroleum Solvents Lubricants, Fuels

Gasoline Continues Weak With Gulf Coast Price Reduced —Solvents and Diluents Easier in Some Sections —Gas Oil Lowered in Group 3

Gasoline continued to show weakness in major refining areas last week and the price at the Gulf Coast was reduced. The weakness in this market was felt in Midwestern and Midcontinent markets for petroleum solvents and diluents but prices at the East Coast were very firm. The demand for lubricating oil was not as broad as heretofore and supplies were freer. Petrolatum and white mineral oils were also more available. Paraffin wax was steady and the crude scale material was moving more slowly. Gas oil was reduced in group 3 and fuel oil was lower in the central refining area. In the latter section, however, all grades of gasoline were advanced fractionally. Heating oils were in good demand and kerosene was normal. A broader interest in tractor fuel was in evidence.

Price Changes

Advanced

Gasoline, central area, ¼c. per gal.

Reduced

Gasoline, Gulf Coast, ⅛c. per gal.
Oil, fuel, central area, 5c. per bbl.
Gas, group 3, ¼c. per gal.

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Aromatic Naphthas.—Movement to consumers was at a slightly better level during the period under review. Deliveries on contract were heavier. All prices were firm and unchanged.

Cleaners' Naphtha.—Takings of the cleaning industry were more or less routine and normal during the week. The listed quotation was firm at 9c. to 10½c. per gallon at the East Coast.

Lacquer Diluent.—Manufacturers of lacquers were not very active in their purchasing during the week, although shipments did not fall below the level of the previous period. Offerings were made at 9½c. to 10c. per gallon at the East Coast.

Petroleum Thinners.—Routine with all prices firm.

Rubber Solvent.—Akron tire manufacturers were still good buyers during the past week and shipments reached the level of the preceding period.

V. M. & P. Naphtha.—Paint makers were showing more interest and inquiries for future delivery were more frequent.

Markets at Other Centers

Chicago—Feb. 29

Tone of the petroleum solvents and diluents market has been a little disturbed by the weakness in gasoline, causing some buyers to endeavor to buy certain of these products cheaper. However, suppliers appear to be holding fairly well. Demand for paint industry items is reported moderate. Inquiry is reported good. Ruling prices are:—Blending naphtha, 4c. to 4½c. per gallon; cleaners' naphtha, 6⅞c. to 7c.; petroleum spirits, 5⅞c. to 6c.; rubber solvent, 6⅞c. to 7c.; lacquer diluent, 7⅞c. to 8c.; Stoddard solvent, 6⅜c. to 6½c.; v.m.&p. naphtha, 6⅞c. to 7c.

New Orleans—Feb. 29

Paint manufacturers were buying a bit more material during the week. Cleaners' naphtha was moving sluggishly. All prices were firm and unchanged. Ruling prices were:—

CLEANING SOLVENT.—Boiling range 225-350, gravity 53, 6¾c. delivered New Orleans in tankcars.

V. M. P. NAPHTHA.—Boiling range 175-425, gravity 48, presently quoted at 6½c. delivered New Orleans in tankcars.

Tulsa—Feb. 29

Buyers of petroleum solvents and diluents are seeking concessions because of the persisting weakness in gasoline quotations. Thus far, concessions granted have been isolated but as buying has been light the tone of the market turned easy. Quotations are unchanged with rubber solvents, v.m.&p. and cleaners' naphtha at 6⅞c. to 7c. per gallon. Petroleum spirits are 5⅞c. to 6c. and Stoddard is 6⅜c. to 6½c. Lacquer diluent is 7⅞c. to 8c. per gallon. Blending naphthas are weak at 4c.

Lighter Fractions

Butane.—Strong at 3c. per gallon, basis group 3. Demand heavy.

Heptane.—The market was routine and unchanged, with sales made at 11c. per gallon for car lots.

Hexane.—Trade was slow but the price held firmly.

Pentane.—Demand was at normal levels. Listed quotations were steady.

Propane.—Consumers were buying heavily during the period under review and the quoted price was very strong.

Petrolatums and Waxes

White Mineral Oils.—Trade was moving in a steady and normal manner. There was no pressure against available supplies as there was at the turn of the year. All prices were firm and unchanged.

Petrolatum.—Similar to the white oils, the market was attracting a normal amount of interest and all prices were firm.

Paraffin.—No price movements were reported in the market for crude scale wax which continued to be offered more freely than heretofore. Refined grades were firm.

Chicago—Feb. 29

Refined petroleum wax is fairly stable, with the market quiet and with a fair state of equilibrium reported. Inquiry remains good, but the volume of orders indicates that supply may be catching up with demand after a protracted period of strength. Ruling prices are:—122-124, 6.10c. to 6.15c. per pound; 125-127, 6.10c. to 6.15c.; 127-129, 6.35c. to 6.4c.; 130-132, 6.65c. to 6.7c.; 132-134, 6.9c. to 6.95c.

Tulsa—Feb. 29

More trading in paraffin developed this week as the lower prices of last week became more general. The 124-26 American crude was quoted at 5¾c. to 6c. per pound.

The State of the Petroleum Market

Gulf Coast gasoline was reduced ⅛c. per gallon.

	Mar. 1	Feb. 23	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.2095	$1.2095	$1.135
Gasoline prices at refineries (at four refining centers) per gallon	.0504520	.0507645	.0478125

Fuels and Lubricants

Gasoline.—Demand continued light and although no actual reductions were made prices were weak.

Kerosene.—Buying fell off somewhat but trade was still satisfactory to leading refiners. The price was firm.

Fuel and Gas Oils.—Bunker fuel oil was well maintained at $1.50 per barrel at New York harbor, with sales limited. Heating oils were more quiet but firm in price.

Lubricating Oils. — Pennsylvania lubricants were firm during the week. Due to the continued heavy export demand, there was still pressure against stocks.

Tankwagon Price Changes

The Standard Oil Company of New Jersey reduced kerosene from 12.2c. per gallon to 11.8c. at Wheeling, W. Va.

Markets at Other Centers

Chicago—Feb. 29

The refinery gasoline market remains quite depressed, apparently awaiting the opening up of spring demand on a better basis than has been witnessed to date. Weight of large stocks seems to be pressing values down and current trade orders are limited. Kerosene and the light heating oils, on the other hand, are making a good showing, with prices steady at best levels of the season. The heavy fuels are feeling the effects of decreased demand from large industrial consumers, and a little easier. Lubricants are fairly steady.

GASOLINE.—Low octane motor, 3¾c. to 4c. per gallon; 63-66 octane motor, 4c. to 4¼c.; 67-69 octane motor, 4¼c. to 4½c.; 70-72 octane motor, 4½c. to 4¾c.; 60-62, 400, 3¾c. to 4c.; 64-66, 375, 4c. to 4½c.; 68-70, 360, 4½c. to 5c.

KEROSENE.—42-44, water white, 3⅞c to 4c. per gallon; 41-43, water white, 3¾c. to 3⅞c.

FURNACE OILS.—Range oil, 3¾c. to 3⅞c. per gallon; No. 1 prime white, 3¾c. to 3⅞c.; No. 1 straw, 3⅝c. to 3¾c.; No. 2 straw, 3½c. to 3⅝c.; No. 2 dark, 3⅜c. to 3½c.; No. 3, 3⅜c. to 3½c.; 32-36, dark, industrial gas oil, 2⅝c. to 2¾c.

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 75c. to 80c.; No. 6, 60c. to 65c.

New Orleans—Feb. 29

All grades of gasoline reflected a ½c. price decrease during the past week,

Petroleum Production—Motor Fuel Stocks

	Barrels 1940	Barrels 1939
	Jan. 1-Mar. 2	Jan. 1-Mar. 2
Commercial crude oil production.....	225,307,024	205,582,625
	Week ended	Week ended
	Mar. 2, 1940	Mar. 3, 1939
Daily average production.....	3,721,732	3,233,375
Bureau of Mines estimate.....	3,514,800	3,285,000
	Week ended Feb. 24, 1940	Week ended Feb. 17, 1940
Estimated motor fuel stocks.....	96,719,000	93,985,000
Estimated finished motor fuel stocks.....	90,055,000	87,395,000

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Highest quality
U.S.P. and Technical WHITE OILS
NAPHTHENIC ACID
CRESYLIC ACID
VISCOUS OILS
(extremely viscous polymerized hydrocarbons)
CALODORANT
GAS ODORANT
STANDARD OIL COMPANY OF CALIFORNIA
225 BUSH STREET, SAN FRANCISCO, CALIFORNIA
30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

Banish Bad Odors
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prices of other commodities remaining unchanged. U. S. motor gasoline was quoted at 5⅛c.; 63-67 octane at 5½c., and 70-72 octane at 6c., the foregoing prices being on a per-gallon basis at refinery. The price of kerosene continued steady at 7⅜c. per gallon at refinery. Bunker C fuel oil was quoted at 90c. per barrel at terminal, and 95c. per barrel delivered alongside, while industrial plants were quoted on this grade at $1.36 per barrel, delivered alongside.

Tulsa—Feb. 29

In the central refining area there has been substantial improvement in the market position of gasoline, and one or two plants have again raised quotations ½c. this week. This advance places U. S. motor low grade octane, which is the predominating grade, at 4¼c. to 4⅜c. per gallon. Orders for light oils have broadened and more spot sales have been made. In some instances such shipments have been requested.

In the central refining area, fuel oil prices have been lowered, and the 18-22 grade quotations are now from 75c. to 77½c. per barrel, as compared with 80c. and 85c. two weeks ago. Concessions in lubricants which have appeared for the past three or four weeks are disappearing, as buyers are making inquiries for late March and second quarter deliveries. Most plants are well sold up to April 1, but until this week business for the second quarter had not developed.

GASOLINE.—The U. S. motor, 3c. to 3½c. per gallon; 63-66 octane, 3¼c. to 3⅞c.; 67-69, 3½c. to 4c., and 70-72 octane, 4c. to 4⅜c. The 68-70-degree gravity is 4½c. to 4¾c.

NATURAL GASOLINE.—In Texas the 26-70 grade is 1¾c. to 2c. per gallon, and the 18-55 is 2½c. In Oklahoma the 26-70 is 2c., and the 18-55, 2⅜c. to 2⅝c.

KEROSENE.—The 41-43-degree grade is 3¾c. per gallon, and the 42-44 is 3⅞c. to 4¼c.

DISTILLATES.—No. 1, prime white, 3¾c. to 3⅞c. per gallon, and No. 2, straw, 3⅝c. to 3¾c. Gas oils are 2¾c. to 3c.

LUBRICANTS.—No change in prices has developed this week, although the easiness that has characterized trading during the last few weeks is disappearing. Brights stocks remain at 24c. to 28c. per gallon, and neutrals at 13c. to 18½c.

Crude Oil Daily Output Up

Daily average gross crude oil production in the United States during the week ended February 24 was 3,732,100 barrels, an increase of 14,150 over the 3,717,950 of the preceding week, according to the American Petroleum Institute. An increase of 34,850 barrels in the daily average output of Texas was the most important change. Finished and unfinished gasoline stocks in the United States at the end of the week were 96,719,000 barrels, another high record and an increase of 2,734,000 over the 93,985,000 a week before. On Feb. 24, 1939, these stocks amounted to 84,452,000 barrels. Finished gasoline stocks increased 2,660,000 barrels to 90,055,000, compared with 78,683,000 on Feb. 24, last year.

U.S. to Auction Oil Leases For 3,800,000 Acres

More than 3,800,000 acres of the public domain in fifteen States soon will be opened for lease by the government to prospect for oil and gas and for their development if such deposits are discovered in the lands, it was announced recently by Secretary of the Interior Harold L. Ickes. The land consists of tracts formerly held under oil and gas prospecting permits from the Federal government, which the holders failed to exchange for new five-year leases, as required by law in order to continue their right to prospect the land.

Fertilizer Materials

Better Movement of Raw Materials on Contract — Tankage Weak, Blood Firm — South American Freight Rates Advanced — Japanese Sardine Meal Up

A slight improvement was seen in the market for raw fertilizer materials last week. The pick-up was confined to larger deliveries of material on contract but it was the first encouraging sign in several weeks. Tankage continued weak, but blood quotations were firm and one grade was advanced. With the exception of raw bone, prices on South American products were not increased, despite the approximately $3 per ton hike in freight rates that went into effect March 1. Continued heavy demand from feed manufacturers caused an advance in Japanese sardine meal. Hoofmeal and Midwestern nitrogenous material were reduced, however.

Price Changes

Advanced

Blood, dried, dom., high-grade grd., 15c. per unit, f.o.b. Chi.
Bone, raw, imp., $1 per ton, c.i.f. ports.
Japanese sardine meal, $1 per ton, c.i.f. ports.

Reduced

Hoof meal, 25c. per unit, f.o.b. Chi.
Nitrogenous material, 5c. per unit, f.o.b. Midwest.
Tankage, unground feeding, 5c. per unit, f.o.b. N. Y.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
67.0	67.0	67.0	66.3

Market news that may have developed after this report was sent to press will be found on page 4.

Nitrogenates

Castor Pomace.—Slow with a few sales reported at the unchanged price of $17.50 for domestic material and $20 for imported.

Dried Blood.—The high-grade ground material was hiked 15c. per unit in Chicago to a level of $3.25. New York market firm at $3.10 per unit.

Fish Scrap.—Japanese sa dine meal was raised $1 per ton to a level of $52 following several weeks of good movement to the feed trade. Menhaden meal was nominal.

Nitrogenous Material. — Prominent producers lowered quotations 5c. per unit to $1.95, f.o.b. Midwest producing points. East Coast material was unchanged at $2.50 per unit.

Nitrate of Soda.—Deliveries against contracts were at a better level last week and the price was firm at $27 per ton.

Tankage. — Unground feeding material was lowered 5c. per unit in New York to a price of $3.10 and 10c. Quotations on all other grades were firm.

Potashes

Cottonseed Hull Ash. — Interest picked up noticeably during the week and more material was being shipped on contract. Price was firm and unchanged at $1.10 per unit.

Kainit.—Trade more active with price steady at $12.25 per ton in bulk.

Manure Salts.—Mixers were showing more interest in new offerings and more material was being shipped on contract. Domestic price was firm at 58½c. per unit and the imported product was offered at $17.75 per ton.

Muriate.—Demand was heavier with the price steady and unchanged at 53½c. per unit for domestic material and $26.75 per ton for imported.

Sulphate.—Supplies were scarce and the price was nominal.

Phosphates

Bone Materials.—Feed manufacturers continued their satisfactory purchasing. Domestic prices were firm but the quotation was advanced $1 per ton to a level of $31 for imported raw bone.

Phosphate Rock.—There was a slight spurt in demand reported. Quotations remained firm and unchanged.

Superphosphate.—Sales were made at $8.50 per ton for run-of-pile material and $9 for guaranteed 16 percent.

Sulphur and Pyrites

Crude agricultural sulphur was moving in satisfactory fashion last week, with mixers putting forth more inquiries for future delivery. The price was firm and unchanged as listed. The pyrites market was nominal with small stocks reported in this country and further shipments uncertain.

Markets at Other Centers

Atlanta—Feb. 28

March and April are expected by dealers in fertilizer materials, to be a very active period in supplying the needs of fertilizer manufacturers, most of whom have been late in coming into market. Last week's sales were slow. Quotations of leading fertilizer materials in this market are as follows:—

SUPERPHOSPHATE.—52c. per unit, interior producing points.
NITRATE OF SODA.—$27 per ton, port basis.
SULPHATE OF AMMONIA.—$28 per ton, port basis.
COTTONSEED MEAL. — 8 percent grade, $30 to $30.50 per ton, mill points.
TANKAGE.—Imported, $3.25 and 10c. per unit, ports; Chicago, $3.25 and 10c.
BLOOD.—Imported, $3.20 per unit, ports; Chicago, $3.25.
NITROGENOUS.—$1.95 per unit, Midwest; foreign, $2.45, ports.

Baltimore—Feb. 28

Business in crudes continued very quiet, with the quotations for the most part unchanged, and with current prices as follows:—

TANKAGE.—There is very little demand for this material, which is being held at $3.10 and 10c. to $3.20 and 10c. per unit-ton for domestic, supplies of which appear to be not unduly large.

DRIED BLOOD.—The figures named on this ammoniate are around $3 to $3.10 per unit-ton for domestic material at shipping point, while $3.20 c.i.f. per unit-ton is being asked for South American stocks, with trading down to low proportions.

SUPERPHOSPHATE.—This item, like others that figure in the fertilizer trade, has been very quiet. Nominal quotations are unchanged at $8.50 per ton for run-of-pile and $9 per ton for 16 percent milled and screened stocks.

Chicago—Feb. 28

Interest has been slack in a number of representative sections of the fertilizer materials market recently, and prices on some key products are tending a little lower. Buyers show no great amount of interest in the blood market, with some material offering at slightly lower levels. Tankage is slow and in a quiet market position. Bone materials have been available on a rather irregular basis, with no great change noted in the current level compared with earlier existing levels.

BLOOD.—Principal grade, $3.25 per unit of ammonia.

TANKAGE.—High grade, feeding, $3.25 and 10c.; hoof meal, $2.25 to $2.50; liquid stick, $2 to $2.25.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $29 to $30; 3 and 50 percent, $32; 4½ and 50 percent, $32 to $33; grinding hoofs, pigs' toes and waste horn materials, $35 to $40; cattle jaws, skulls and knuckles, $34 to $35; pork cracklings, soft pressed, $47.50 to $50; beef cracklings, soft pressed, $37.50 to $40; hard pressed cracklings, per unit of protein, 70c. to 72½c.

San Francisco—Feb. 28

Organic fertilizer materials are still dragging on the market with no appreci-

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

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able amount of buying interest present, although it is noted that scattered lots of chemicals are being asked for. There is an prospect a partial slowing up of deliveries of all materials, due to the flooded condition of the valleys in the central portion of the state following heavy rains. Ruling prices are:—

SULPHATE OF AMMONIA. — Firm offers and acceptances have been reported at $38 per ton in 100-pound bags, delivered inland, although sellers do not claim to be actively in the market.

SUPERPHOSPHATE. — Domestic, 78c. per unit in bulk, f.o.b. producer's plant, San Francisco Bay. Bags, 90c. per unit. Foreign material nominal.

NITRATE OF SODA.—100-pound bags, $29 per ton, ex vessel or warehouse; 200-pound bags, $28.30.

FISH MEAL.—California sardine meal is quoted on the basis of $50 per ton, f.o.b. production point, Monterey, and $52 per ton, f.o.b. production point, San Francisco Bay.

TANKAGE. — Unground, fertilizer grade, wet rendered, domestic, $3 and 10c. per unit-ton, nominally, f.o.b. cars, production source, Southern California. Dry rendered, ground, $39 per ton, f.o.b. cars, South San Francisco; unground, dry rendered, 65c. per unit of protein.

BLOODMEAL.—Nominal at $3.10 per unit, f.o.b. cars, Los Angeles.

BONE MEAL.—From $29 to $35 per ton, delivered Pacific Coast ports.

Chilean Nitrate Consumption 1,716,328 Tons in 1939

Consumption of Chilean nitrate in the United States is expected to show a substantial increase in the current year, according to the annual review published by the Chilean Nitrate Sales Corporation. World sales of natural Chilean nitrate of soda in the year ended June 30, 1939, were practically the same as in the previous year, amounting to 1,716,328 short tons, the review states. Shipments to the United States, which is the largest single market, amounted to 630,436 tons.

Manufacturers Honor Research Workers

—*Continued from page 5*

dent of the Standard Oil Company of Indiana.

Willis Haviland Carrier, chairman of the board of directors of the Carrier Corporation, Syracuse, N. Y.

Dr. William David Coolidge, director of the General Electric Company Research Laboratory, Schenectady, N. Y.

Dr. Oliver George Curme, jr., vice-president of the Carbide and Carbon Chemicals Corporation, this city.

John Van Nostrand Dorr, president of the Dorr Company, this city.

Dr. Harry Steenbock, professor of biochemistry, University of Wisconsin, Madison, Wis.

Charles Frederick Wallace, vice-president of Wallace & Tiernan Company, Belleville, N. J.

Dr. Edgar W. Spanagel, of E. I. du Pont de Nemours & Co., Wilmington, Del.

Among others honored were:—

Frederick M. Becket, consultant, Union Carbide and Carbon Corporation, this city.

Frank G. Breyer, Singmaster & Breyer, this city.

J. R. Carson, Bell Telephone Laboratories, Inc., this city.

Camille Dreyfus, Celanese Corporation of America, this city.

Carleton Ellis, Standard Oil Development Co., this city.

Colin Garfield Fink, Columbia University.

Harry Linn Fisher, U. S. Industrial Alcohol Company, this city.

John McDonald Hothersall, American Can Company, this city.

Martin Hill Ittner, Colgate-Palmolive-Peet Company, Jersey City.

Walter Savage Landis, American Cyanamid Company, this city.

Charles Frederick Wallace, Wallace & Tiernan Company, Inc., Newark, N. J.

Robert E. Wilson, Pan American Petroleum Transport Company, this city.

Among the joint awards made were:—

Roy A. Shive, Calco Chemical Company, Bound Brook, N. J., and others.

Earle C. Pitman, Parlin, N. J., and others from E. I. du Pont de Nemours & Co., Inc.

International Agricultural Corporation, this city, stockholders will meet April 4 to vote on a recapitalization plan.

Helene A. Whelan for several years employed by J. L. Hopkins & Co., botanical drugs, this city, has joined the sales force of R. J. Prentiss & Co., crude drugs, also of this city.

Southern Paint Group Discusses Work Problems

—*Continued from page 5*

specification calling only for statement of contents. Canada, it was said, has been using the volume basis for some time.

Varnish-Cooking Fuel

The choice of the fuel for heating varnish kettles was considered to be influenced by various conditions, such as local supplies, labor costs, and type of varnish cooked in largest volume. Coke, it was said, showed the highest B.T.U. value per dollar of cost. If it

H. William Polley
New S.S.F.A. Secretary-Treasurer

was desired to get four-stack production with three stacks, other fuels afforded savings in time and labor, gas or oil saving about twenty minutes, in comparison with coke, in cooking time.

Nonreactive Zinc Oxide

One commenter said that he had used nonreactive zinc oxide with better resistance than that of French process oxide to yellowing, and the same drying qualities and retention of gloss. It was not believed that reaction to other pigments created resistance to yellowing, because the oxide was only relatively nonreactive.

Nonchalking Titanium White

There was a general expression that the chalking resistance of nonchalking titanium dioxide pigment could not be duplicated by a mixture of the ordinary dioxide and antimony oxide in a linseed oil house paint. It was said that a straight antimony oxide pigment would not be practicable because of its effect on drying and tint. This pigment was not considered suitable in a linseed oil paint, but was accepted as practicable in enamels. The premium value of the nonchalking titanium pigment was considered dependent on the need for this characteristic. If less chalk resistance, such as that of a 50-50 mixture of titanium dioxide and antimony oxide, was satisfactory, no premium cost was justified. But, if chalk resistance equal to 70 percent antimony oxide was wanted, it had to be paid for.

Alkyd Vehicles

It was argued that there can be no complete substitution in paint or varnish vehicles; that alkyd vehicles are not the only replacements for phenolic-tung oil combinations. There must be a compromise, it was said, between economies and the qualities desired in the product. Other oils can be used with phenolics. Good color and gloss retention was reported for a prussian blue-alkyd combination on gasoline pumps. One commenter said that alkyds improved waterproofing qualities.

Grinding Carbon Black

Trial and error appeared to be the answer to a question of dispersing carbon black permanently in a liquid mixture by grinding on a roller mill. Much depended on the vehicle, it was said; the addition of fatty acids was considered helpful, as were also water-soluble soaps. Naphthenate of zinc or of copper was believed to help grinding, but not disperson. Good results had been obtained by adding the varnish slowly to the batch by way of a faucet on a small tank.

Pigment Volume

Much discussion was occasioned by the question, Do you subscribe to the theory of low pigment volume for exterior paint where high oil-absorption pigments of a certain type are used? It was said that high oil-absorption pigments should be avoided unless a specific advantage from their use was desired, and in that case a change in vehicle was indicated. It was said that the use of too much oil in proportion to the surface area of the pigment particles resulted in failures, and it was suggested that, when using linseed oil vehicles, the batch be worked to regular paint consistency. The theory was advanced that the best criterion was the optimum tensile strength of the product. Particle size and the wetability of the pigment were considered controlling factors, and avoidance of excessively fine pigments was urged, because a finished house paint required a certain amount of porosity. The theory that pigment volume could be critically established at 28.5 percent was assailed, and a range of from 27 percent to 30 percent was said to be practicable and satisfactory. Hope

Raymond A. Perry
"Dr.I.Q." at S.S.F.A. Meeting

was held out for the discovery of an accurate method of definitely determining the surface area of pigments.

Content of Inert

With the comment that some unreconstructed "lead-and-oilers" still held inerts to be anathema, it was generally agreed that a number of large manufacturers were doing things with inerts which freed these materials from the stigma of "adulterants."

Odor and the Consumer

There was a lack of definite information on what consumers thought about "perfumed" paints. Some felt that bad smells were objectionable to consumers, as well as to anybody else. No suggestions were made in respect of odorants that might improve the smell of paint, but it transpired that some manufacturers were using such agents.

Naphthenate Driers

There was a large variety of opinion on the relative value of naphthenate driers and those of the kettled resinate-oil types. The influence of the oil was stressed. Naphthenates were said to be adversely affected by the presence of a high percentage of stearin bodies in the vehicle. Cold-weather troubles had obliged one commenter to substitute cobalt or zinc driers for lead driers. It was submitted that naphthenate driers will not satisfactorily replace others in all types of formulas, particularly in pigmented products, and that, before assaying such substitution, a manufacturer should experiment for at least a year and keep careful track of his data. There was other opinion that naphthenates made excellent shelf goods; experience was said to back this and to show that naphthenates inhibited yellowing and produced better hardening than could be got with resinates or linoleates. The discussion got into a general consideration of driers for house paints, and a consensus was impossible. The effects of naphthenates on the drying of colored paints got much attention. It was argued that the loss of drying power in blacks, blues, browns, or greens was about the same for all types of driers, but had been minimized by the use of lead-uranium naphthenate. Loss of drying was attributed to insufficient lead content, and it was said that the lead-uranium drier did not accelerate drying but was gradually and progressively effective beyond the period of efficacy of driers of the solvent type. Where color permits its use, litharge was considered satisfactory.

Chlorinated Rubber

The benefits of adding chlorinated rubber to a primer for concrete floors were said to depend on local conditions. It is undesirable to seal such surfaces too effectively when moisture in the concrete is to be considered. Chlorinated rubber was regarded as satisfactory for complete sealing.

Bloom of Alkyd Whites

Various suggestions were made for preventing blooming of alkyd mill white. Avoidance of forcing of the cobalt drier was recommended.

Election

The result of the election for officers of the associates was mainly an elevation of the existing succession. The new officers are:—

President, Paul C. Kollie, of F. J. Coolidge & Sons, Atlanta.

Vice-president, Samuel E. Lang, of the Southern Paint Products Company, Atlanta.

Secretary-treasurer, H. William Polley, of the Southern Paint & Varnish Company, Macon.

Entertainment

The evening of February 23 was devoted to a duckpin bowling tournament, with sixty-nine participants in contests for the Reichhold Chemicals trophy and a collection of prizes donated by the Atlanta Paint, Varnish and Lacquer Association.

The high-score winners, in the order of their totals (from 548 to 455), were Paul C. Kollie, Atlanta; C. L. Adams, Atlanta; J. N. Causey, Atlanta; Joe Williams, New York; R. J. Peters, New York; J. O. Roberts, Atlanta; Fred W. Conrad, Atlanta; John Porter, jr., Atlanta; Bob Norris, Chattanooga; A. G. McFadden, New York, and W. J. Deeks, Cincinnati. L. D. Warren, Nashville, got the prize for the lowest score (298); second prize went to A. P. Mills, Memphis, who rolled 332.

A banquet with a variety of entertainment was the final feature of the meeting. This was a stag affair but the ladies of the party had their own special dinner at the same time. They were entertained during the meeting with sightseeing tours, a cocktail party, and luncheons.

Oil Control Bill Hearings Ended

—*Continued from page 4*

Petroleum Association, who spoke for the Western Petroleum Refiners' Association; William J. Kemnitzer, Los Angeles economic geologist; Representative Wesley E. Disney of Oklahoma; W. D. Brookings of the Chamber of Commerce of the United States; Paul Hadlick, representing the National Oil Marketers Association; and Clarence J. Schock, representing the Independent Petroleum Jobbers Association of Pennsylvania.

Speaking for the bill at this week's hearings was John F. Budke, Franklin, Pa., appearing for a group of small producers of Venango county.

Jefferson Lake Sulphur Sales Increased 71 Percent in 1939

Sales of sulphur by the Jefferson Lake Sulphur Company, New Orleans, La., increased 71 percent in 1939, according to A. A. Mayer, president of the company, in his annual report to stockholders. Mr. Mayer stated that sales in 1939 amounted to $3,396,512 as compared with $1,981,854 in 1938. Net income of the company for the year ended December 31, 1939, totaled $1,325,236, after Federal and State income taxes. This compared with $821,394 in 1938.

Shipping Information

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Imports at U.S. Ports

New York Imports

ACID, STEARIC—25 cs, M W Parson Import & Plymouth Co, Rotterdam
ALCOHOL, CINNAMIC—2 tins, Aromatic Prod, Inc, Marseilles
ALOE—100 cs, Wessel, Duval & Co, Aruba
AMMONIA PERSULPHATE—25 bbls, Sergeant Pulp & Chem Co, Rotterdam
SULPHATE—500 bgs, Industrial Sales Corp, Antwerp
1,250 bgs, Industrial Sales Corp, Antwerp
ANISE—74 bgs, Vera Cruz
25 bgs, New York & Cuba Mail S S Co, Marseilles
ANNATTO SEED—100 bgs, Gillespie & Co, Kingston
ARNICA FLOWERS—2 bgs, W E Martin, Marseilles
ASPHALT—260 bgs, A V Berner & Co, Havana
BALSAM—6 cs, United Fruit Co, Puerto Barrios
BELLADONNA LEAVES—83 bgs, S B Penick & Co, Trieste
BRISTLES—25 cs, H Rosenhirsch Co, Hongkong
4 cs, Lindsay Trading Corp, Hongkong
14 cs, Lindsay Trading Corp, Shanghai
50 cs, Melchers, Inc, Shanghai
75 cs, Bank of New York Trust Co, Shanghai
35 cs, Arnhold & Co, Shanghai
50 cs, Otto H Hink, Shanghai
28 cs, S Hirschenhorn & Son, Shanghai
7 cs, F H Cone & Co, Kobe
2 cs, H Rosenhirsch Co, Kobe
11 cs, F W Von Stade, Kobe
55 cs, Arnhold & Co, Kobe
10 cs, H Rosenhirsch Co, Kobe
28 cs, Melchers, Inc, Kobe
53 cs, F W Von Stade, Tientsin
100 cs, E B & A C Whiting, Tientsin
55 cs, Pittsburgh Plate Glass Co, Tientsin
156 cs, Corn Exchange Bank Trust Co, Tientsin
10 cs, S Hirschenhorn & Son, Tientsin
28 cs, Goldman, Sachs & Co, Tientsin
120 cs, Tientsin
CALCIUM METALLIC—7 cs, Charles Hardy, Marseilles
CANARY SEED—10 bgs, Weitong Richer, Lisbon
CARAWAY SEED—100 bgs, C M Van Sillevoldt, Rotterdam
70 bgs, Catz American Co, Rotterdam
54 bgs, R L Friedler, Rotterdam
56 bgs, O Gerdau, Rotterdam
20 bgs, Catz American Co, Rotterdam
25 bgs, Catz American Co, Rotterdam
CARDAMOM—44 cs, Volkart Bros, Colombo
30 cs, Ungerer & Co, Colombo
54 cs, Colombo
CAROB BEANS—1,440 bgs, R J Prentiss & Co, Piraeus
MEAL—156 bgs, R J Prentiss & Co, Piraeus
CASEIN—1,355 bgs, Balfour, Guthrie & Co, Buenos Aires
3,333 bgs, American British Chemical Supplies, Buenos Aires
CELERY SEED—206 bgs, Karachi
CHEMICALS—10 dms, Richard Chem Works, Rotterdam
150 kgs, American Cyanamid & Chem Co, Rotterdam
6 cs, E I du Pont de Nemours Co, Rotterdam
11 cs, Lo Curto & Funk, Europe
50 cks, Philip Bauer Co, Europe
2 cs, J Mitchell, Europe
4 cs, E Fougera & Co, Europe
5 cs, G J Wallau, Europe
224 bgs, Charles Hardy, Europe
28 cs, 8 dms, Michel Export Co, Rotterdam
2 cs, Merck & Co, Rotterdam
1 cs, Allondon Bayonne Co, Leghorn
15 cs, Firmenich & Co, Leghorn
9 bbls, 2 cs, United Fruit Co, Marseilles
10 cs, C W Campbell Co, Paita
CINCHONA BARK—25 bgs, C E Griffen & Co, Cristobal
PRODUCTS—109 cs, R W Greeff & Co, Rotterdam
68 cs, Hoffmann-La Roche, Rotterdam
CLOVES—2 cs, Stern-Stiner Co, Marseilles
COALTAR PRODUCT — 4 cs, Allondon Bayonne Co, Leghorn
COBALT, METAL AND OXIDE — 86 cs, Central Trading Corp, Antwerp
OXIDE BLACK—49 cks, Central Trading Corp, Antwerp
18 cks, Chimiques, S A, Antwerp
COCHINEAL—20 bgs, E Mosheim, Callao
COCOA BEANS—1,000 bgs, Wessel, Kulenkampf & Co, Trujillo
2,003 bgs, Machado & Co, Trujillo
747 bgs, Trujillo
123 bgs, Irving Trust Co, Puerto Plata
200 bgs, Machado & Co, Puerto Plata
100 bgs, Meyer & Co, Puerto Cabello
270 bgs, W R Grace & Co, Puerto Cabello
100 bgs, Transmarine Corp, Puerto Cabello
300 bgs, W R Grace & Co, Guayaquil
500 bgs, Wessel, Duval & Co, Guayaquil
250 bgs, Wessel, Kulenkampf & Co, Puerto Plata
620 bgs, Curacao Trading Co, Puerto Plata
2,000 bgs, Bank of London-South America, Bahia
100 bgs, Pablo Calvet Co, Cristobal
136 bgs, Cristobal
500 bgs, Bank of Manhattan, Port Spain
1,405 bgs, Juan Franceschi, Carupano
500 bgs, Antoni & Co, Carupano
300 bgs, Galban & Co, Carupano
1,300 bgs, P Prossperi, Rio Caribe
1,000 bgs, Nieschlag & Co, Rio Caribe
200 bgs, Transmarine Corp, Rio Caribe
35 bgs, Lopez & Mangual, Maracaibo
3,000 bgs, Superintendence Co, Duala
710 bgs, Standard Bank South Africa, Lagos
2,100 bgs, Superintendence Co, Lagos
1,600 bgs, Standard Bank South Africa, Lagos
1,500 bgs, Superintendence Co, Lagos
4,800 bgs, Lagos
1,400 bgs, Standard Bank South Africa, Takoradi
250 bgs, W R Grace & Co, Guayaquil
250 bgs, Cristobal
COCOA BUTTER—20 cs, R W Greeff & Co, Rotterdam
COCONUT, DESIC—775 cs, Wilbur Ellis Co, Davao
1,634 cs, 1,764 bgs, General Food Corp, Manila
989 cs, Durkee Famous Food, Manila
143 cs, Philippine Desic Coconut Corp, Manila
COCONUTS—296 bgs, I L Toledano Corp, Cristobal
300 bgs, General Food Corp, Kingston
COLORS—44 cks, St Denis Kuhlman, Europe
DRY—8 dms, C J Osborn & Co, Rotterdam
EARTH—20 bbls, Penson & Co, Rotterdam
10 cks, Penson & Co, Rotterdam
COPPER DUST—604 bgs, Pope Trading Corp, Alexandria
CORKS—42 bgs, American Hawaiian S S Co, Lisbon
33 bgs, Mundet Cork Corp, Lisbon
10 bls, Lisbon
5 bls, F Ferrer, Barcelona
30 bls, Bisbe Cork Co, Barcelona
8 bls, Philadelphia Natl Bank, Barcelona
8 bls, G F Doherty, Barcelona
11 bls, Enrique Meier, Barcelona
3 bls, Cork Importing Corp, Barcelona
9 bls, J Schnier, Barcelona
6 bls, 5 cs, Penson & Co, Europe
BOBBINS—9 cs, Cork Importing Co, Barcelona
FLOATS—37 bls, Barcelona
29 bls, H Suhl, Lisbon
ROLLS—5 cs, Cork Importing Corp, Barcelona
SHAVINGS—215 bls, Public Natl Bank Trust Co, Lisbon
1,516 bls, Mundet Cork Corp, Lisbon
VIRGIN—275 bls, Mundet Cork Corp, Lisbon
WASTE—1,252 bls, Armstrong Cork Co, Barcelona
62 bls, Mundet Cork Corp, Lisbon
70 bls, P Calver, Lisbon
305 bls, Consolidated Cork Corp, Lisbon
1,738 bls, Mundet Cork Corp, Lisbon
WOOD—857 bls, Dodge Cork Co, Lisbon
139 bls, Irving Trust Co, Lisbon
50 bls, H Suhl, Lisbon
178 bls, Wicander & Co, Lisbon
1,374 bls, Mundet Cork Corp, Lisbon
81 bls, Mundet Cork Corp, Lisbon
2,928 bls, Mundet Cork Corp, Lisbon
164 bls, Armstrong Cork Co, Lisbon
137 bls, Lisbon
50 bls, Seaboard Cork Co, Lisbon
COTTON LINTERS—121 bgs, Santos
CUBE ROOT—264 bgs, Callao
CUMIN SEED—10 bgs, Knickerbocker Mills, Trieste
69 bgs, B H Old & Co, Marseilles
CYANIDE PRECIP—28 cs, South American Development Co, Guayaquil
DYES, ANILIN—4 dms, L & R Organic Prod Co, Rotterdam
5 cks, Fulton Dye & Import Co, Europe
5 cyls, Sandoz Chem Works, Europe
10 cks, Lowenstein Son, Europe
EARTH—2 cs, Asiatic Petroleum Corp, Maracaibo
EPHEDRA—80 bls, F Kanematsu, Yokohama
FENNEL SEED—95 bgs, R J Prentiss & Co, Bombay
1 cs, Inter Maritime Forwarding Co, Palermo
FILTER PAPER—4 bls, American Express Co, Marseilles
FLAXSEED — 2,032,000 kilos, 81,280 bu, Bunge North American Grain Co, Buenos Aires
567 tons, 22,680 bu, Bunge North American Grain Co, Buenos Aires
7,325 bgs, 16,115 bu, Bunge North American Grain Co, Buenos Aires
1,145,000 kilos, 45,800 bu, L Dreyfus & Co, Ibicuy
939 bgs, 2,109 bu, L Dreyfus & Co, Ibicuy
2,966,600 kilos, 118,664 bu, Archer-Daniels-Midland, Rosario
1,083 bgs, 2,382 bu, Archer-Daniels-Midland, Rosario
FLEASEED—130 bgs, Kachurin Drug Co, Bombay
55 bgs, R J Prentiss & Co, Marseilles
150 bgs, L A Champon, Marseilles
8 bgs, H S Head, Marseilles
FLIES, DRIED—110 bgs, Kerr Mauer, Vera Cruz
56 bgs, Vera Cruz
GALANGAL ROOTS—30 bls, R J Prentiss & Co, Marseilles
GELATIN — 56 pkgs, International Selling Corp, Antwerp
POWDERED—34 bbls, T M Duche & Sons, Rotterdam
222 pkgs, International Selling Corp, Antwerp
132 cs, International Selling Corp, Antwerp
30 cs, 31 bbls, T M Duche & Sons, Rotterdam
GLASS, PLATE—25 cs, Brown Bros-Harrimann Co, Antwerp
10 cs, Brown Bros-Harrimann Co, Antwerp
18 cs, M Krokowitz & Son Co, Antwerp
WINDOW—847 cs, Seymour G Cole & Co, Antwerp
600 cs, Seymour G Cole & Co, Antwerp
131 cs, New York & Cuba Mail S S Co, Antwerp
80 cs, Richter & Ring, Antwerp
31 cs, Daniel De Gorter, Antwerp
175 cs, Atlantic Freighting Co, Antwerp
12 cs, Daniel De Gorter, Antwerp
52 cs, Semon, Bache & Co, Antwerp
25 cs, Ednal Co, Leghorn
GLUE—40 bgs, New York & Cuba Mail S S Co, Marseilles
GRAPHITE, AMORPHOUS—1,400 bgs, Dairen
POWD — 125 bbls, Eberhard-Faber Pencil Co, Marseilles
GUM—97 pkgs, R D Heines, Trieste
ARABIC—165 bgs, Frank Vliet Co, Trieste
63 bgs, Chase National Bank, Trieste
50 bgs, A D Isbetcherian, Trieste
250 bgs, Innis, Speiden & Co, Trieste
250 bgs, Kachurin Drug Co, Trieste
150 bgs, E Meer & Co, Trieste
2 bgs, American Cyanamid & Chem Co, Trieste
20 bgs, Irving Trust Co, Trieste
50 bgs, A D Isbetcherian, Trieste
50 bgs, Chase National Bank, Trieste
150 bgs, Colony Import & Export Co, Trieste
250 bgs, Paul A Dunkel & Co, Trieste
100 bgs, Manufacturers Trust Co, Trieste
GUM, ARABIC—150 bgs, Guaranty Trust Co, Trieste
200 bgs, E Meer & Co, Trieste
350 bgs, H Heide, Trieste
ASAFETIDA—200 jottas, S D Penick & Co, Bombay
CHICLE—2,356 bgs, Mexican Exploitation Co, Vera Cruz
400 bgs, M D Bromberg, Vera Cruz
154 bgs, Pan American Trust Co, Vera Cruz
COPAL—1,000 bgs, Reinbold Chem Co, Antwerp
300 bgs, Gillespie-Rogers-Pyatt Co, Antwerp
100 bgs, American Cyanamid & Chem Co, Antwerp
ELEMI — 108 cs, American Cyanamid & Chem Co, Manila
GHATTI—24 bgs, S B Penick & Co, Bombay
KARAYA—201 bgs, W M Allison & Co, Bombay
1 bg, Mackenzie & Co, Bombay
465 bgs, Frank Vliet Co, Bombay
133 bgs, Orbis Product Corp, Bombay
66 bgs, A D Isbetcherian, Bombay
54 bgs, Frank Vliet Co, Bombay
466 bgs, S B Penick & Co, Bombay
932 bgs, Jacques Wolf & Co, Bombay
311 bgs, Thurston & Braidich, Bombay
127 bgs, A D Isbetcherian, Bombay
LOCUST BEAN—50 bgs, Paul A Dunkel & Co, Genoa
55 bgs, Trust Co of North America, Genoa
NISPERO—4 bls, Chicle Development Co, Cristobal
OLIBANUM—28 cs, A D Isbetcherian, Bombay
54 bgs, Frank Vliet Co, Bombay
PERILLA—24 bls, Chicle Development Co, Barranquilla
35 bls, Chicle Development Co, Cristobal
TRAGACANTH—72 bgs, E Meer & Co, Beyrouth
65 bgs, E Meer & Co, Beyrouth
HENNA LEAVES—93 bls, Corn Exchange Bank Trust Co, Trieste
HERBS, CRUDE—47 bgs, Vera Cruz
71 bls, 6 bgs, R D Heines, Susak
21 cs, Leslie Ronai, Trieste
HOPS—67 bls, J Schlitz, Rotterdam
IPECAC ROOT—20 bgs, C E Griffen & Co, Cristobal
20 bgs, Wessel, Duval & Co, Cristobal
11 bgs, C E Griffen & Co, Cristobal
IRISH MOSS—100 bls, S B Penick & Co, Europe
50 bls, Innis, Speiden & Co, Europe
25 bls, Peek & Velsor, Europe
50 bls, R J Prentiss & Co, Europe
210 bls, C H Reisig, Europe
20 bls, Europe
275 bls, R J Prentiss & Co, Europe
IRON ORE—6,829 tons, Bethlehem Steel Co, Narvik
OXIDE—200 bbls, Reichard Coulston, Malaga
100 bbls, J Lee Smith & Co, Malaga
80 bbls, Atlantic Freighting Corp, Malaga
206 bbls, C J Osborn & Co, Malaga
JALAP ROOT—63 pkgs, Vera Cruz
KAMALA—100 bgs, S B Penick & Co, Bombay
LARKSPUR SEED—2 bgs, W E Martin, Marseilles
LAUREL LEAVES—80 bls, P H Petry & Co, Marseilles
45 bls, New York & Cuba Mail S S Co, Marseilles
LEAVES, MED—165 bls, S B Penick & Co, Alicante
LIME, HYDRATED—1 cs, United Fruit Co, Puerto Barrios
MACKEREL LIVERS—112 tins, Yokohama
MANGANESE ORE—1,016 tons, National City Bank, Coquimbo
1,120 tons, E J Lavino & Co, Manila
MEAKIN MEAL—1,000 bgs, Mitsubishi Shoji Kaisha, Dairen
MEDICINAL PREPS—2 bbls, C L Huisking & Co, Rotterdam
15 cs, Gold Medal Haarlem Oil Corp, Rotterdam
10 cs, J Personelli, Genoa
19 cs, Ratin Lab, Copenhagen
2 cs, World Prod Co, Kingston
MENTHOL—20 cs, Wilbur Ellis Co, Shanghai
15 cs, Kobe
MICA—228 cs, A O Schoonmaker Insulating Co, Rio Janeiro
2 cs, A O Schoonmaker Insulation Co, Europe
11 cs, W M Brand & Co, Calcutta
BLOCK—100 cs, Otto Gerdau Co, Calcutta
137 cs, Calcutta
FILMS—21 cs, Calcutta
SCRAP—2,668 bgs, Calcutta
SPLITTINGS—652 cs, Calcutta
MINERAL—3 cs, Denver Equip Co, Barranquilla
MOLASSES—44,000 gls, American Molasses Co, Havana
MONAZITE SAND—7,000 bgs, 350 tons, C Tennant Sons & Co, Colachel
MUSTARD SEED—2,500 bgs, Catz American Co, Constanza
200 bgs, Charles Gulden, Palermo
NUX VOMICA—1,200 bgs, Volkart Bros, Cochin
400 bgs, Merck & Co, Cochin
800 bgs, Merck & Co, Cochin
1,008 bgs, Merck & Co, Cochin
OCHER—435 bgs, Stanley Doggett, Marseilles
435 bgs, Robinson Wagner Co, Marseilles
870 bgs, Whittaker, Clarke & Daniels, Marseilles
2,400 bgs, C K Williams & Co, Marseilles
400 bgs, J Lee Smith & Co, Marseilles
80 cks, Scott L Libby Corp, Marseilles
OIL, ALMOND—40 cs, Orbis Product Corp, Marseilles
40 cs, 10 dms, Arles & Co, Marseilles
5 dms, Drury & Co, Marseilles
ANISE—10 dms, Givaudan Delawanna, Hongkong
BERGAMOT—40 cs, W J Bush & Co, Messina
50 cs, Geo Lueders & Co, Messina
21 cs, Roure Dupont, Messina
40 cs, Paolo Mortino, Messina
BLUE FIN—2 dms, Yokohama
CAMPHOR—15 dms, Givaudan Delawanna, Yokohama
30 dms, Dodge & Olcott Co, Yokohama
CHINAWOOD—376 dms, Yokohama
COCONUT—450 tons, Philippine Refg Corp, Manila
830 tons, Philippine Refg Corp, Manila
COTTONSEED—611,600 kilos, Procter & Gamble Co, Santos
ESSENTIAL—4 cs, Rotterdam
7 dms, Vera Cruz
5 dms, Porto Barrios
OIL, ESSENTIAL—114 pkgs, Europe
1 dm, Alicante
4 cs, Leghorn
94 pkgs, Marseilles
26 dms, Porto Barrios
FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao
LAVENDER—1 cs, Givaudan Delawanna, Europe
10 dms, Yardley & Co, Marseilles
LEMONGRASS—15 dms, Volkart Bros, Cochin
4 dms, H P Winter & Co, Cochin
12 dms, Norda Essential Chem Co, Cochin
OLIVE—1,850 cs, Leghorn
22 cs, Naples
50 dms, G L Mezetta, Mytilene
100 cs, Mytilene
71 cs, Palermo
75 dms, Arturo Bianco & Son, Piraeus
20 dms, Diana Wholesale Grocery, Piraeus
25 dms, Joseph Sclafani, Piraeus
30 dms, Acierno Bros, Piraeus
100 dms, Pastene & Co, Piraeus
50 cs, Piraeus
50 dms, Uddo Taormina Corp, Piraeus
25 dms, B Dorman, Piraeus
10 dms, Frank Lorenzo & Sons, Piraeus
50 dms, Olive Oil Industries, Inc, Piraeus
725 dms, Bonoil Packing Corp, Piraeus
15 dms, Schroeder Bros, Piraeus
35 dms, Piraeus
50 dms, J Bonnaco & Co, Piraeus
25 dms, Uddo Taormina Corp, Piraeus
75 dms, Olive Oil Industries, Inc, Piraeus
30 dms, Moosalina Prod Corp, Piraeus
100 dms, Otto Hagen Corp, Piraeus
100 dms, J Ossola Co, Piraeus
180 cks, Asaro Bros, Genoa
50 cks, Taormina Corp, Genoa
948 cs, Genoa
100 dms, American Hawaiian S S Co, Leghorn
20 bbls, Giannetto Girolamo, Genoa
240 cs, Genoa
100 dms, Antonio Corrao, Genoa
25 bbls, Antonio Castello, Genoa
30 bbls, Giannetto Santo, Genoa
30 dms, 20 cs, New York & Cuba Mail S S Co, Marseilles
ORIGANUM—7 bbls, Lautier Fils, Beyrouth
PALM—720 tons, 10 cwts, Balfour, Guthrie & Co, Burutu
PEANUT — 706 tons, Mitsubishi Shoji Kaisha, Kobe
PINE—5 cks, Fritzsche Bros, Trieste
SAGE—4 bbls, L A Champon, Trieste
SWORDFISH—18 dms, Consumers Import Co, Yokohama
ORANGE PEEL—125 bgs, M M Anister, Port Prince
26 bls, R J Prentiss & Co, Trieste
ORRISROOT—135 bgs, Charles Mathieu, Leghorn
23 bgs, Credito Italiano, Leghorn
FINGERS—2 cs, Credito Italiano, Leghorn
PAPRIKA—300 cs, Atlantic & Pacific Tea Co, Alicante
100 bgs, Iliak Bezoff, Trieste
PEATMOSS—1,120 bgs, Ernst Bremermann & Co, Rotterdam
PERFUMERY, SYNTH—4 cs, Lo Curto & Funk, Rotterdam
5 cs, Lo Curto & Funk, Rotterdam
PIMENTO—50 bgs, J A Manton, Kingston
POPPYSEED—100 bgs, A G Dunn, Rotterdam
100 bgs, Biddle Purchasing Co, Rotterdam
110 bgs, R L Friedler, Rotterdam
200 bgs, C M Van Sillevoldt, Rotterdam
100 bgs, Martin Witsenburg, Rotterdam
650 bgs, Catz American Co, Rotterdam
79 bgs, Levy & Levis Co, Rotterdam
138 bgs, Levy & Levis Co, Rotterdam
200 bgs, H H Parker, Istanbul
POTASH, CHLORATE—300 cks, New York & Cuba Mail S S Co, Antwerp
700 cyls, Charles Hardy, Europe
METABISULPHITE—50 cks, L Kruger & Co, Antwerp
PUMICE—2,632 bgs, J H Rhodes & Co, Canneto
PYRETHRUM FLOWERS—25 bls, Guaranty Trust Co, Trieste
117 bls, Trust Co of North America, Porto Alegre
18 bls, Central Hanover Bank Trust Co, Porto Alegre
ROOT—8 bls, S B Penick & Co, Marseilles
QUICKSILVER—69 flasks, Chase Natl Bank, Vera Cruz
QUINCE SEED—27 bls, Vahan Simidian, Beyrouth
QUININE—3 cs, Rohner, Gehrig & Co, Rotterdam
RABBIT SKINS—40 bls, S Rosenfelder & Son, Antwerp
53 bls, Hannel & Gannet, Antwerp
RHUBARB—295 bgs, Corn Exchange Bank Trust Co, Yokohama
ROOT, MEDICINAL—16 bls, R D Heines, Susak
12 bls, R J Prentiss & Co, Trieste
ROSE BUDS—10 bls, D A Bondi, Beyrouth
SAFFRON—1 cs, Villar & Osorio, Valencia
SAGE LEAVES—15 bls, P H Petry & Co, Trieste
25 bls, Black Diamond Seed Co, Trieste
75 bls, P H Petry & Co, Trieste
SANDALWOOD—340 bgs, Dodge & Olcott Co, Bombay
80 bgs, Murphy-Beese Co, Bombay
60 bgs, Peek & Velsor, Bombay
BILLETS—1,912 pkgs, W J Bush & Co, Calcutta
SARSAPARILLA ROOT — 12 bls, South American Product Co, Puerto Cortes
SENNA LEAVES—100 bls, Colombo
204 bls, Guaranty Trust Co, Trieste
38 bls, Degan Trading Co, Trieste
SESAME SEED — 130 bgs, Kanelo, Inc, Shanghai
SHELLAC—300 bgs, E E Androvette, Calcutta
200 bgs, E J Cornelius, Calcutta
75 cs, Gillespie-Rogers-Pyatt Co, Calcutta
938 bgs, Wm Zinsser & Co, Calcutta
600 bgs, Ralli Bros, Calcutta
250 bgs, Calcutta
100 bgs, E E Androvette, Calcutta
450 bgs, E E Androvette, Calcutta
SEEDLAC—200 bgs, Ralli Bros, Calcutta
200 bgs, Wm Zinsser & Co, Calcutta
500 bgs, Wm Zinsser & Co, Calcutta
900 bgs, Ralli Bros, Calcutta
300 bgs, Calcutta
SIENNA—132 cks, C K Williams & Co, Leghorn
30 bbls, C K Williams & Co, Leghorn
5 cks, Stanley Doggett, Leghorn
SILVER SULPHIDE — 112 cs, J Henry Schroeder Banking Corp, Antofagasta

SOAP—7 cs, H Bendel Co, Europe
5 cs, American Express Co, Europe
110 cs, Conti Product Corp, Leghorn
SOAP BARK—566 bls, W R Grace & Co, San Antonio
SODA CYANIDE—930 dms, Charles Hardy, Europe
SILICOFLUORIDE—80 cks, Chrisman Supply Co, Copenhagen
100 bgs, American Cyanamid & Chem Co, Copenhagen
URANATE AND URANIUM OXIDE—200 dms, Chimiques, S A, Antwerp
SPONGES—19 bls, Havana
15 bls, Mantos Bros, Havana
13 bls, J E Bernard & Co, Nassau
2 bls, J H Rhodes & Co, Nassau
24 bls, Atlas Sponge Co, Nassau
22 bls, J Speyer, Nassau
13 bls, J H Rhodes & Co, Nassau
STARCH, POTATO — 100 bgs, American Cyanamid & Chem Co, Rotterdam
SUMAC—250 bgs, Drueding Bros Co, Palermo
350 bgs, E E Androvette, Palermo
LEAF—120 bls, Guaranty Trust Co, Palermo
TALC—800 bgs, C B Chrystal & Co, Leghorn
5,376 bgs, Whittaker, Clark & Daniels, Kobe
TAPIOCA FLOUR—2,495 bgs, Corn Product Refg Co, Puerto Plata
TARTAR—727 bgs, Charles Pfizer & Co, Buenos Aires
404 bgs, Alicante
238 bgs, Chase Natl Bank, Naples
124 bgs, Charles Pfizer & Co, Leghorn
TEAWASTE—2,000 bgs, Citro Chem Co, Calcutta
3,000 bgs, Maywood Chem Works, Calcutta
3,074 bgs, Calcutta
THEOBROMINE—25 cks, Rohner, Gehrig & Co, Rotterdam
THYME LEAVES—60 bgs, Seeck & Kade, Marseilles
TINTORIAL EXTRACT—100 cs, American Dyewood Co, Europe
TOLU BALSAM—25 cs, Wessel, Duval & Co, Barranquilla
25 cs, Wessel, Duval & Co, Barranquilla
VALONIA—347 bgs, Barkey Import Co, Izmir
VANADIUM—7,151 bgs, Vanadium Corp of America, Callao
10,873 bgs, Vanadium Corp of America, Callao
VANILLA BEANS—22 cs, Thurston & Braidich, Vera Cruz
22 cs, Marine Midland Trust Co, Europe
11 cs, Guaranty Trust Co, Europe
47 cs, Dodge & Olcott Co, Marseilles
85 cs, Thurston & Braidich, Marseilles
32 cs, Dammann & Smeltzer, Marseilles
11 cs, F Huber & Co, Marseilles
11 cs, Dodge & Olcott Co, Marseilles
WAX, BEES—18 seroons, Porcella, Vicini & Co, Porto Plata
21 bgs, Schutte & Focke, Barahona
7 seroons, H H Pike & Co, Porto Plata
82 bgs, Santiago
57 bgs, Havana
49 bls, Wessel, Duval & Co, Lisbon
185 bgs, Antonina
160 bgs, Will & Baumer Co, Santos
109 bgs, Santos
224 bgs, W M Allison & Co, Areia Bianca
55 bgs, Strahl & Pitsch, Areia Bianca
93 bgs, Wessel, Duval & Co, Porto Alegre
207 bgs, Porto Alegre
CARNAUBA—68 bgs, Bank of London South America, Bahia
315 bgs, W M Allison & Co, Bahia
55 bgs, Wessel, Duval & Co, Natal
110 bgs, American Cyanamid & Chem Co, Natal
33 bgs, W M Allison & Co, Natal
VEGETABLE—100 cs, American Cyanamid & Chem Co, Mozi
150 cs, Mozi
WHITING—2,000 bgs, Nicholas H Weltzner, Antwerp
WINE LEES—662 bgs, Lisbon
2,754 bgs, Charles Pfizer & Co, Buenos Aires
275 bgs, Standard Brands, Lisbon
WOLFRAM ORE—500 bgs, Royal Bank of Canada, Antofagasta
ZINC OXIDE—60 bbls, Innis, Speiden & Co, Antwerp
150 bbls, American Cyanamid & Chem Co, Marseilles
ZIRCONIUM SAND—8,000 bgs, C Tennant Sons & Co, Colachel

New York Transit Imports

COCONUT, DESIC—2,473 bgs, General Food Sales Co, Manila, Bridgeport
GLASS, WINDOW—66 cs, Eastman Kodak Co Antwerp, Rochester
GUM, KARAYA—66 bgs, Mellon National Bank, Bombay, Pittsburgh
LICORICE ROOT—5,133 bls, MacAndrews & Forbes, Izmir, Camden
OIL, CASHEW SHELL—453 dms, Harvel Research Corp, Cochin, Irvington
COCONUT—500 tons, Procter & Gamble Co, Cebu, Cincinnati
ESSENTIAL—10 cs, Europe, Rochester
PEPPER—240 1gs, Volkart Bros, Tellicherry, Halifax
POPPYSEED—433 bgs, Sokol & Co, Rotterdam, Chicago
SPONGES—2 bls, Nassau, Buenos Aires
9 bls, Nassau, London
REFUSE—6 bls, Nassau, Buenos Aires
VANILLA BEANS—12 cs, Zink & Triest, Vera Cruz, Philadelphia
17 cs, Zink & Triest, Vera Cruz, Philadelphia

Baltimore Imports

BONES—929 bgs, Buenos Aires
BONEMEAL—500 bgs, Buenos Aires
CALCIUM-SILICON—1,010 bbls, Sauda
CHALK—1,000 bgs, 5 bbls, Antwerp

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CHEMICALS—20 csks, Antwerp
CHROME ORE—1,250 tons, Madras
CODLIVER MEAL—1,000 bgs, Bergen
COLOR, DRY—100 csks, Helvig, Antwerp
CYANITE ORE—313 tons, Calcutta
FERROMANGANESE—1,175 tons, 221 bbls, 1,510 dms, Sauda
ILMENITE SAND—2,750 tons, Cochin
IRON ORE—5,500 tons, Bethlehem Steel Co, Daiquiri
11,500 tons, Bethlehem Steel Co, Cruz Grande
3,496 tons, Leo J Buck, Inc, Narvik
3,114 tons, Leo J Buck, Inc, Narvik
7,274 tons, Leo J Buck, Inc, Narvik
5,008 tons, Leo J Buck, Inc, Narvik
7,022 tons, Leo J Buck, Inc, Narvik
MANGANESE ORE—1,000 tons, Calcutta
4,600 tons, Calcutta
MOLASSES — 5,056,069 lbs, Cuba Distilling Co, Romana
4,029,862 lbs, Cuba Distilling Co, Macoris
MYROBALANS—2,000 buckets, Calcutta
OIL, FUEL—92,000 bbls, Standard Oil Co N J, Aruba
FURNACE—73,000 bbls, Standard Oil Co N J, Aruba
PEATMOSS—900 bls, Rotterdam
PETROLEUM, CRUDE — 60,397 bbls, Pan-American Ref Corp, Las Piedras
QUEBRACHO EXTRACT—2,100 bgs, Buenos Aires
SEAWEED MEAL—50 bgs, Antwerp
SESAME SEED—315 bgs, Bombay
TANKAGE—1,190 bgs, Buenos Aires
UMBER, RAW—53 bgs, Trieste

Boston Imports

BRISTLES—58 cs, Melchers, Inc, Shanghai
70 cs, F H Cone & Co, Shanghai
5 cs, Pittsburgh Plate Glass Co, Shanghai
55 cs, Bingham & Co, Shanghai
COCONUT, DESIC—125 cs, Wilbur Ellis Co, Davao
GUM, ARABIC—200 bgs, First Natl Bank, Trieste
MICA—4 cs, Gillespie Rogers Pyatt Co, Calcutta
65 cs, Calcutta
SPLITTINGS—45 cs, Calcutta
PEPPER—80 bgs, Volkart Bros, Cochin
SHELLAC—375 bgs, Wm Zinsser & Co, Calcutta
SEEDLAC—300 bgs, Ralli Bros, Calcutta
50 bgs, Wm Zinsser & Co, Calcutta
200 bgs, Calcutta

Los Angeles Imports

AGAR AGAR—110 lbs, Kobe
AMMONIA, PHOSPHATE—241,920 lbs, Trail
SULPHATE—141,120 lbs, Trail
ANTIMONY ORE—85,000 lbs, Iguala
BONEMEAL—190,000 lbs, Tsingtao
CALCIUM ARSENATE—10,000 lbs, Japan
COCONUT, DESIC—172,770 lbs, Manila
COPRA, MEAL — 10,000 bgs, 1,000,000 lbs, Cebu
FISH LIVERS — 225 tins, 9,000 lbs, Yokohama
GELATIN, ED—4,400 lbs, Rotterdam
GUM, DAMMAR—2,240 lbs, Calcutta
MAGNESIA CARBONATE—2,450 lbs, Newcastle-on-Tyne
OIL, COTTONSEED—1,446,770 lbs, Sao Paulo
PARAFFIN—67,200 lbs, Balik Papan
PEANUT MEAL—200,000 lbs, Tsingtao
156,000 lbs, Tsingtao
PAPESEED—10,080 lbs, Tokio
RICE FLOUR—890 lbs, Kobe
SESAME SEED—50 lbs, Buenos Aires
720 lbs Kobe
SOAP, TOILET—430 lbs, Paris
300 lbs, Kobe
SODA, NITRATE—742,620 lbs, Chile
751,150 lbs, Chile
STARCH, POTATO—490 lbs, Kobe
WAX, CARNAUBA—4,600 lbs, Fortaleza
2,180 lbs, Ceara
WOOD PRESERVATIVE—12,000 lbs, London

New Orleans Imports

CASSIA—300 bls, Canton, China
COCONUTS—100 bgs, Port Anton'o
GUM, CHICLE—340 bls, Puerto Barrios
CHICLE, CRUDE—570 pkgs, Port Antonio
177 bls, Belize
GREASE, LUBRIC — 5 cs, New York via Cristobal
PAINT, ENAMEL—3 dms, Cristobal
PREPARED—36 dms, 56 ctns, 12 cans, Cristobal
SOAP, TOILET—24 cs, Cristobal
WAX, BEES—9 pkgs, Cristobal

Norfolk Imports

BONE MEAL—500 bgs, Buenos Aires
TANKAGE—735 bgs, Wessel, Duval & Co, Buenos Aires

Philadelphia Imports

ASBESTOS, CRUDE—500 bgs, Raw Asbestos Distributors, Ltd, Beire
BAR SSU CAKE—795 bgs, Philadelphia National Bank, Maranham
BAUXITE ORE—2,316 tons, Grasselli Chemical Co, Georgetown
CHROME ORE—7,700 tons, E J Lavino & Co, Masinloc
7,600 tons, Union Ore Corp, Santa Cruz
90 tons, E J Lavino & Co, Santa Cruz
3,070 tons, United States Gov't, Mersin
1,000 tons, E J Lavino & Co, Beira
3,690 tons, E J Lavino & Co, Pastelillo
CORK, VIRGIN—347 bls, Armstrong Cork Co, Djidjelli
6,165 bls, Armstrong Cork Co, Portimao
WASTE—5,310 bls, Armstrong Cork Co, Djidjelli
2,678 bls, Armstrong Cork Co, Djidjelli
27 bls, Hans O Tischer Co, Seville
WOOD—420 bls, Armstrong Cork Co, Seville
439 bls, Armstrong Cork Co, Djidjelli
19,183 bls, Armstrong Cork Co, Collo
1,322 bls, Armstrong Cork Co, Djidjelli
CHINA CLAY—1,022 tons, Fowey
COCOA BEANS—13,933 bgs, Balfour & Guthrie & Co, Lagos
4,800 bgs, Balfour, Guthrie & Co, Addah
8,000 bgs, Balfour, Guthrie & Co, Accra
250 bgs, Victoria
466 bgs, Samarang
1,000 bgs, Standard Bank of South Africa, Accra
1,000 bgs, Balfour, Guthrie & Co, Winnebah
1,000 bgs, Balfour, Guthrie & Co, Saltpond
1,000 bgs, Balfour, Guthrie & Co, Cape Coast
2,800 bgs, Standard Bank of South Africa Takoradi
CASEIN, GRD—250 bgs, Chase National Bank, Buenos Aires
COCONUTS—513 bgs, Mayaguez
150 bgs, Simon & French, San Juan
225 bgs, San Juan
107 bgs, Starr Product Co, San Juan
245 bgs, San Juan
81 bgs, Universal Importing Co, San Juan
CURRY POWDER—10 cs, Heinz & Co, Madras
HOOFMEAL—1,105 bgs, Buenos Aires
MACE—27 cs, Macassar
MANGROVE BARK—1,925 bgs, Beira
MANGANESE DIOXIDE ORE—552,817 kilos, Harshaw Chemical Co, Batavia
NUTMEGS—160 cs, 40 bgs, Macassar
OIL, COCONUT—477 tons, Yokohama
OLIVE—50 cs, Credito Italiano Representative, Genoa
250 cs, Swinger & Binenstock, Leghorn
100 cs, Luigi Carso, Naples
100 cs, Vincent Marano, Naples
150 cs, Santo Alioto & Sons, Naples
225 cs, American Stores Co, Marseilles
PETROLEUM, CRUDE—88,000 bbls, Atlantic Refining Co, Curacao
91,000 bbls, Atlantic Refining Co, Las Piedras
120,538 bbls, Gulf Oil Corp, Puerto la Cruz
QUEBRACHO LOGS — 2,500 tons, Tannin Corp, Para
RED OXIDE—455 bbls, F B Vandegrift & Co, Malaga
SARDINE MEAL—4,000 bgs, Kobe
SAFFRON—1 cs, R T French Co, Seville
SHELLAC—1,000 bgs, Gillespie-Rogers-Pyatt Co, Calcutta
100 bgs, Ralli Bros, Calcutta
1,100 bgs, Calcutta
TAPIOCA FLOUR—5,967 bgs, National City Bank, Sourabaya
270 bgs, Cheribon
THYME LEAVES—40 bls, Marseilles
WATTLE BARK — 275 bls, Tannin Corp, Mombasa
WAX, VEGETABLE—200 cs, Kobe
WOLFRAM—100 bgs, 10 bbls, International Selling Corp, Leixoes
11 bbls, Chase National Bank, Leixoes
ZIRCONIUM ORE—6,000 bgs, Charles Lenning, Colachel

Savannah Imports

COCONUT, DESIC—75 cs, Wilbur Ellis Co, Davao

Exports from U.S. Ports

Baltimore Exports

ACID, CHROMIC—6,600 lbs, Holland; 15,400 lbs, Belgium; 11,000 lbs, Greece
CEMENT, HIGH-TEMP—2,200 lbs, Buenos Aires
FURFURAL, TECH—33,000 lbs, Holland
GREASE, LUBRIC—11,614 lbs, Holland; 18,100 lbs, Montevideo
OIL, LUBRIC—1 bbl, Holland; 19 bbls, Montevideo
POTASH, BICHROMATE—11,200 lbs, Holland
SODA, ASH—317,400 lbs, Buenos Aires
BICHROMATE—22,176 lbs, India; 11,200 lbs, Holland; 22,046 lbs, Greece
CAUSTIC—336,000 lbs, Santos
SOYBEAN CAKE—100 tons, Greece
STARCH, CORN—60,480 lbs, India
TITANIUM DIOXIDE—11,100 lbs, Santos
ZINC SILICOFLUORIDE—80 lbs, Buenos Aires

Los Angeles Exports

ACETONE—24 dms, 8,590 lbs, Adelaide; 38 dms, 13,610 lbs, Sydney; 88 dms, 31,510 lbs, Melbourne; 1,200 dms, 399,480 lbs, Liverpool; 73 dms, 26,140 lbs, Amsterdam; 50 dms, 17,900 lbs, Buenos Aires
REFINED—6 dms, 2,150 lbs, Hongkong
ACETYLENE TETRACHLORIDE — 50 lbs, Manila
ACID, BENZOIC—50 lbs, Hongkong
BORIC—1,500 bgs, 168,000 lbs, Liverpool; 400 bgs, 44,800 lbs, Gothenburg; 10 bgs, 2,210 lbs, Santos; 90 bgs, 10,170 lbs, Sao Paulo; 300 bgs, 33,080 lbs, Shanghai; 180 bgs, 20,160 lbs, Calcutta
CITRIC—2,200 lbs, Singapore
STEARIC—11,000 lbs, Buitanzorg
ASPHALT—1,007 dms, 560,000 lbs, Balboa; 25 dms, 11,200 lbs, Manila; 695 dms, 324,800 lbs, Adelaide
SOLID — 535 dms, 224,000 lbs, Singapore/Port Swettenham/Penang
BARIUM, SULPHATE — 10,000 lbs, Hongkong
BLACK, CARBON—182,070 lbs, London
BORATE—1,100 bgs, 115,520 lbs, Liverpool; 6,840 bgs, 1,156,400 lbs, Osaka/Yokohama
BORAX—1,000 bgs, 112,000 lbs, Hongkong; 157 cs, 15,700 lbs, Madras; 1,460 bgs, 168,000 lbs, Liverpool; 36 bgs, 3,970 lbs, Buenaventura; 2,000 bgs, 224,000 lbs, Gothenburg; 702 bgs, 77,390 lbs, Santos; 100 bgs, 11,200 lbs, Madras; 1,650 bgs, 184,800 lbs, Calcutta; 160 bgs, 17,920 lbs, Adelaide; 2,617 bgs, 437,040 lbs, Osaka/Yokohama/Kobe; 800 bgs, 89,600 lbs, Hongkong
BUTYL ACETATE—10 dms, 4,010 lbs, Hongkong
CEMENT, FURNACE—30 bgs, 2,640 lbs, Manila
CHEMICALS—440 lbs, Bombay
CHILI POWDER—150 lbs, Cristobal
CHROME OXIDE—13,530 lbs, Sydney
CLAY, FILTER—10 sx, 500 lbs, Vancouver
GROUND—2,000 sx, 201,600 lbs, Suez; 240 sx, 12,000 lbs, Sydney; 2,000 sx, 201,600 lbs, Singapore
CLEANER—2,320 lbs, Hongkong
COBALT ACETATE—3 dms, 300 lbs, Hongkong
COLOR, DRY—1,200 lbs, Sydney
COTTON LINTERS—50 bls, 27,530 lbs, Victoria
DIACETONE—66 dms, 26,800 lbs, London; 16 dms, 6,860 lbs, Amsterdam
DIATOMACEOUS EARTH—20 bgs, 1,970 lbs, Vancouver; 471 bgs, 46,700 lbs, Stockholm; 900 bgs, 90,000 lbs, Mavaguez; 820 bgs, 82,000 lbs, Manila; 817 bgs, 81,700 lbs, Melbourne; 560 bgs, 56,000 lbs, Fremantle; 492 bgs, 50,130 lbs, Calcutta; 1,120 bgs, 112,000 lbs, Adelaide
DIBUTYL PHTHALATE—3 dms, 1,440 lbs, Hongkong
ETHYL ACETATE—10 dms, 3,970 lbs, Hongkong
ETHYLENEGLYCOL MONOBUTYLETHER —5 dms, 2,000 lbs, Hongkong
MONOETHYLETHER—3 dms, 1,230 lbs, Hongkong
GASOLINE—9,450 bbls, Yokosuka; 1,842 dms, Yokahama; 7,770 bbls, Yokahama; 14,142 bbls, Yokahama
GUM, CHICLE—33,230 lbs, Sydney
KARAYA—300 lbs, Manila
IODINE—1,100 lbs, Hongkong; 400 lbs, Calcutta
LACQUER—750 lbs, Bangkok; 1,200 lbs, Havana; 790 lbs, San Juan; 1,640 lbs, Rio Janiero; 410 lbs Yokahama
THINNER—3,520 lbs, Havana
LEAD ACETATE—480 lbs Hongkong
LINSEED MEAL—40,320 lbs, Ponce
METHYL CHLORIDE—9 cyls, 660 lbs, Vancouver; 10 cyls, 400 lbs, Balboa
METHYLETHYL KETONE—288 dms, 100,190 lbs, London
OIL, CASTOR—1,690 lbs, Hongkong
COTTONSEED—770 lbs, Manila; 1,120 lbs, Cebu
COTTONSEED, HARDENED—100,000 lbs, Manila
DIESEL—83,002 bbls, Gensan; 31,934 bbls, Osaka
FUEL—38,704 bbls, Osaka; 25,125 bbls, Vancouver; 75,745 bbls, Iquique/Valparaiso
GAS—71,432 bbls, Curacao
LINSEED—1,220 lbs, Hongkong
LUBRICATING—30 dms, Macassar; 46 dms, Adelaide
PAINT—120 lbs, Bangkok; 1,940 lbs, Havana; 360 lbs, Rio de Janeiro
DRIER—1,080 lbs, Manila
DRY—5,530 lbs, Hongkong
ENAMEL—840 lbs, Recife
PRIMER—100 lbs, Recife
THINNER—350 lbs, Havana
PETROLEUM, CRUDE—72,438 bbls, Yokosuka; 38,865 bbls, Yokahama; 31,388 bbls, Yokahama; 40,698 bbls, Niigata; 68,054 bbls, Yokahama; 48,776 bbls, Ioco
SOLVENT—2 dms, 500 lbs, Vancouver
POTASH IODIDE—1,100 lbs, Hongkong; 600 lbs, Calcutta
RESIN, SYNTH, SOLUT—420 lbs, Hongkong
SIENNA, BURNT—530 lbs, Hongkong
SOAP, LAUNDRY—20,000 lbs, Mayaguez; 50,000 lbs, San Juan
SODA ASH—132,300 lbs, Rio de Janeiro; 323,400 lbs, Sao Paulo; 20,000 lbs, Batavia; 80,100 lbs, Manila
CAUSTIC—510 lbs, Manila
SULPHUR DIOXIDE—17 cyls, 2,550 lbs, Vancouver
TALC—600 bgs, 30,000 lbs, Victoria; 132 bgs, 13,200 lbs, Cartagena
TITANIUM OXIDE—4,400 lbs, Hongkong
TOILET PREPS—3,020 lbs, China; 1,490 lbs, Manila; 1,670 lbs, Hongkong; 1,460 lbs, Bombay; 570 lbs, Cairo; 510 lbs, Cristobal; 910 lbs, Caracas; 130 lbs, Semarang; 140 lbs, Batavia
TURPENTINE, GUM—9,350 lbs, Hongkong
VARNISH—4,320 lbs, Manila
WAX STEARIN—100,000 lbs, Manila
WOOD PRESERVATIVE—5,500 lbs, San Juan
ZINC OXIDE—10,000 lbs, Hongkong
SULPHIDE—500 lbs, Hongkong

New Orleans Exports

ASPHALT—17 tons, West Coast; 38 tons, Cristobal
EXTRACT, TANNING—22 tons, Vera Cruz
FERROMANGANESE—54 tons, Cristobal
GASOLINE — 38 tons, Kingston; 118 tons, Puerto Barrios
GLUCOSE—9 tons, Havana
HOPS—25 tons, Vera Cruz
INSECTICIDE—15 tons, Vera Cruz
KEROSENE — 2 tons, Puerto Cabezas; 74 tons, Puerto Barrios
LARD — 51 tons, Havana; 26 tons, West Coast; 46 tons, Santiago; 23 tons, Barranquilla; 38 tons, Cartagena; 45 tons, Cristobal
LIME, HYDRATED—361 tons, Puerto Barrios
OIL, FUEL—1,300 bbls, Celba
LUBRICATING — 24 tons, Kingston; 13 tons, Belize; 38 tons, Cristobal
PARAFFIN—56 tons, West Coast; 32 tons, Puerto Barrios; 36 tons, Cristobal
ROSIN—10 tons, Cristobal
GUM—29 tons, West Coast, South America
SALT—96 tons, Havana; 21 tons, Belize
SODA CYANIDE—12 tons, Puerto Cabezas
SULPHUR—52 tons, Vera Cruz
TANNING EXTRACT—22 tons, Vera Cruz
WAX—27 tons, Vera Cruz

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—61,121 bbls, Seattle; 5,125 bbls, San Diego; 75,023 bbls, Richmond; 60,852 bbls, Portland; 76,300 bbls, Martinez; 6,368 bbls, San Diego; 40,200 bbls, Seattle; 53,767 bbls, Seattle; 98,031 bbls, Philadelphia
KEROSENE—2,014 bbls, Seattle
OIL, DIESEL—20,313 bbls, Seattle; 6,045 bbls, Richmond; 13,457 bbls, Portland; 33,200 bbls, Seattle; 16,620 bbls, Seattle
FLUSHING—2,490 bbls, Davenport
FUEL—33,700 bbls, Astoria; 101,996 bbls, Richmond; 8,699 bbls, Seattle; 52,700 bbls; San Diego; 47,414 bbls, Seattle; 1,950 bbls, Portland; 62,805 bbls, Davenport; 2,435 bbls, Portland; 91,094 bbls, San Diego
FURNACE—4,784 bbls, Portland

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended February 28

Belladonna leaves, 7 bales; not U.S.P.
Cocoa beans, 165 bags; moldy.
Eucalyptus oil, Formosan, 5 drums; restricted use.
Henbane leaves, 36 bales; not U.S.P.
Medicinal preparation, 167 cases; not properly labeled.

Medicinal preparation, 1 package; new drug.
Medicinal preparation, 5 packages; false therapeutic claims.
Mineral oil, 284 drums; not U.S.P.
Nutmegs, distilling, 589 cases; restricted use.
Sesame seed, 750 bags; filthy.

Baltimore

Week Ended February 28

Medicinal preparation, 1 case; not properly labeled.

San Francisco

Week Ended February 22

Margarin, 50 cases; net weight not declared.
Medicinal, 2 pieces; false therapeutic claims.
Medicinal, 170 pieces; false therapeutic claims; alcohol not declared.

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any district office or cooperative office of the bureau, and not to this publication. When writing give the number of the item:—

Aluminum Bronze Powders:—Bagdad, Iraq; purchase (6296).
Chemicals, Industrial:—Athens, Greece; purchase and agency (6329).
Drugs, Crude:—Buenos Aires, Agentina; purchase and agency (6268).
Glue, Bone:—Bombay, India; purchase (6272).
Glues:—Cairo, Egypt; agency (6331).
Gold, Leaf:—Cairo, Egypt; purchase and agency (6332).
Gums: — Melbourne, Australia; purchase and agency (6270).
Lacquers:—Basel, Switzerland; purchase and agency (6308).
Lead, Red: — Montevideo, Uruguay; purchase (6337).
Litharge:—Montevideo, Uruguay; purchase (6337).
Manganese Oxide:—Cairo, Egypt; purchase (6333).
Paints:—Melbourne, Australia; purchase and agency (6270).
Pharmaceuticals:—Budapest, Hungary; purchase (6271).
Pharmaceuticals: — London, England; agency (6300).
Pharmaceuticals:—Rio de Janeiro, Brazil; agency (6335).
Potash Fertilizer:—Toronto, Canada; agency (6336).
Resins: — Melbourne, Australia; purchase and agency (6270).
Rosin:—Buenos Aires, Argentina; purchase and agency (6269).
Soda, Caustic: — Blumenau, Brazil; purchase (6334).
Wax:—Alexandria, Egypt; agency (6281).
Zinc Chloride:—Cairo, Egypt; purchase (6333).

U.S. Revenue Returns Show Decrease in Jan.

Collections of excise taxes by the Bureau of Internal Revenue, Washington, for January, 1940, compared with January, 1939, as follows:—

Taxes Collected

	January 1940.	January 1939.
Coconut, etc., oils processed.	$1,770,365.34	$2,016,961.81
Distilled spirits, domestic, excise tax $2.25 per gallon.....	17,852,947.09	17,795,978.77
Distilled spirits, imported, excise tax $2.25 per gallon.....	1,436,408.39	1,410,808.96
Gasoline	19,228,328.96	16,429,872.99
Lubricating oils	2,615,468.04	2,199,019.69
Matches	.....	786,910.19
Narcotics, including special taxes	37,740.33	20,374.95
Oleomargarin excise taxes.....	81,943.28	78,274.34
Oleomargarin special taxes..	15,521.59	15,861.73
Toilet preparations	620,730.59	786,910.19
Transportation of oil by pipeline.	1,049,642.54	792,339.75
Total internal revenue	$306,304,059.19	$315,844,605.47

Quantities Taxed

	January 1940.	January 1939.
Distilled spirits, domestic, tax gallons	8,134,493	8,042,377
Distilled spirits, imported, tax gallons	725,246	683,175
Distilled spirits, rectified, proof gallons	2,211,099	2,531,328
Oleomargarin, colored, pounds	23,470	32,584
Oleomargarin, uncolored	31,383,512	29,986,856

Anchor Hocking Glass Corporation, Lancaster, Ohio, has offered holders of its $6.50 convertible preferred stock the right to exchange their shares on a share for share basis for a new $5 preferred stock. New preferred would be cumulative and callable at $110.

Domestic Paint Oils Progress

—*Continued from page 5*

very slight cloud when given a fifteen minute boiling water test, and this slight cloud disappears in less than fifteen minutes. On testing twenty-four hours in cold water, there is a very slight cloud, which disappears in fifteen minutes.

An objection to alkyds of this type is cost at normal markets to replace Oriental oils, but they can be blended with "Falkovar SKA," however, and obtain hard, elastic finishes, which dry overnight and in many cases are suitable. However, when extending with "Falkovar SKA," and good water resistance is desired, we recommend only the use of "Falkyd A-5-D." Even in proportions as high as 50-50 by weight of the "Falkyds" with "Falkovar SKA" on a nonvolatile basis, the resultant films, which, while they all blushed in both hot and cold water tests, recovered in from fifteen to thirty minutes. Thus, it is possible by blending "Falkyd" solution A-5-D with "Falkovar SKA" to obtain varnish-type films at reasonable costs, even when this cost is compared with varnishes based on the normal imported oil market.

Hot Water Test

The present hot water test is to dry a finish for several days and subject it to the action of boiling water for fifteen to thirty minutes. Certain producers of raw materials have extended this test to several hours. The necessity for this test is, we believe, highly overrated; it is necessary only on highly specialized finishes for extreme corrosive conditions or where subjected to steam and hot water a great part of the time. When a finish is formulated to meet this arbitrary hot water test, it is necessary to so choose your raw materials and process them that you obtain a coating which contains a high proportion of polymer in highly polymerized form. It is the only way in which a product can be made to pass the hot water tests.

However, in so doing, there is a lack of balance in the dried finish. There are not present sufficient low polymers to give absorption into a surface. There is not the ability of one coat to sufficiently soften the undercoat to obtain satisfactory adhesion. You do not have gradation of polymer size to withstand temperature changes quickly and permanently. And, finally, you are inevitably using high cost materials not too widely available. We have found that in a majority of cases where hot water test is asked for, it is not necessary for the use involved. For this reason, we believe that the coatings industry should reinvestigate many present specifications arbitrarily set up, often by people not too familiar with actual performance.

Cold Water Test

The cold water test is that a dried film shall withstand cold water for a period from twelve to twenty-four hours. This test has merit if the finish is to be applied where water spotting will occur. We have found that water spots are not permanent when the cold water tests show slight whitening in twenty minutes and disappear one hour after being dry. For many uses, a finish should have the property of absorbing water, especially where only one side of a porous surface is being coated. For example, an ordinary house paint is such a finish, the paint acts as a breather coating and actually assists in the prevention of warping, blistering, etc.

Drying Time

Drying tests are made in a laboratory usually under a standard temperature of approximately 75° F. and relative humidity approximating 50 to 60. However, such tests are often very undependable as a measure for practical application. A paint which will be used under conditions of extreme humidity should contain, it has been found, practically no other drier than cobalt, as only cobalt seems to have the faculty of assisting oxygen absorption under conditions of high humidity. Many formulators have, for instance, a standard house paint for all sections of the country, forgetting that when the material is stored in the backroom of a general store in Northern districts in the Winter, it becomes practically as hard as a rock, and that here, a much thinner consistency is necessary. Similarly, house paints made with linseed oil dry, say in Ohio, in twelve to eighteen hours in usual painting seasons and give excellent service. However, in Southern districts under conditions of great temperatures and hot drying conditions, it has been found that extremely satisfactory house paints are made with a lightly kettled fish oil, which will dry fully as rapidly, and the elasticity of the fish oil will give greater service under Southern conditions of extreme sunshine and heat in the daytime with sudden rains on hot surfaces. Critical examinations of many of our tests, widely standardized as laboratory procedure, will show similar fallacies which the broadminded technician should realize and utilize to his advantage, particularly in his own district where he is best familiar with the actual needs.

House Paints

Up until recent years no one would even think of painting a house with anything but linseed oil paint, practically without modification, and with high lead content. A few years ago about 10 to 20 percent of the linseed oil was replaced in many formulations with a processed oil to give some flow and leveling without spoiling brushing. This resulted in uniform film thickness and gave considerable increase in life to the paint. The main point to remember in a house paint is that the priming coat must anchor itself into the wood, and that succeeding coats must anchor themselves to their undercoats. In no other way can a house be painted initially or a good repaint job be done without the use of an experienced painter, and even an experienced man may have a tough job if the initial coating is not well done.

We must remember that the woods vary in different sections of the country. For instance, in the South, slash pine is widely used, but if you should travel to California, you find practically nothing but redwood, and in Maine, mostly white pine. In the Middle West and Northern sections, much cypress is used. These are all factors of economics, and to properly apply paint to these woods requires skill in application by the painter in adjustments with the use of either evaporative solvent or oil as the wood may require. House paints are widely sold, and must be able to meet all conditions to become a standard product. We believe that to meet the conditions of the varying woods higher percentages of volatile material should be present in the vehicle, so that resinous woods may have the oil and sap properly mixed to get best adhesion on anchorage. At the same time, paints fail in extreme Northern and extreme Southern territories due to inability to withstand wide temperature changes after aging. For this reason, it would be preferable to have a greater proportion of less saturated components in the vehicle, such as can be obtained by the use of "Falkovar" soybean and "Falkovar" fish oils of various types.

Coupled with these, in order to insure uniform film thickness, there must be sufficient processed oil present to give both flow and ease of application without changing the dried film in its gellation characteristics. That is to say, the processed oil should not be of a type in which polymerization has been effected to an extent which will interfere with oxidation. For this reason, we have developed our "Falkide G," which, in combination with refined fish or linseed oil, kerosene, and mineral spirits, is our present recommendation for exterior house paints. Details on the exact formulation which we believe adaptable to most types of wood in various sections are obtainable on request. For whites, "Falkovar EN" with linseed or other oils has proved very suitable.

Tin Roofs, Gutters, Spouting

We believe that more tinner's red and colored roofing paints are made with fish oil than any other type of oil, and that "Falkovar B" is the most satisfactory oil for this purpose produced anywhere. This is really the oldest product in the Falk line, and its continued use as a standardized product is the best evidence of its permanent value. We suggest that no roofing paint be even considered unless it is a 100 percent fish oil base, because extremes in temperature, sudden rains, and adhesion to a smooth surface, as well as retained elasticity, are properties pre-eminent in fish oils.

Shingle Stains

Where economy and good appearance over long periods of time are desired, many property owners turn to shingles and shingle stain finishes. The advantage is that the protective film is absorbed strongly into the wood, and there is not the danger of chalking, checking, and similar type failures, allowing long times between repainting periods. For years, shingle stain oils have been based on processed fish oils. The low pigmentation and the use of shingle stain oil and the large amounts of slowly evaporative solvents make necessary the use of a highly bodied oil capable of large dilution and consequently the use of a highly blown fish oil is indicated. For this application, either "Falkovar B" or "Falkovar A" heavy has been used with great success for many years, and can be recommended on the basis of long experience.

We have here drawn only a broad outline of the general uses of domestic oils in the most important of the paint coating fields. We have seen, except for minor specialized applications, that virtually no imported oils are needed for exterior finishes. In most of the specialized exterior fields, our newer American - made synthetics have proved entirely adequate. In the field of interior finishes, our dependence on foreign sources is based either on our present arbitrary methods of certain tests or present tradition and practice, or a combination of these.

It is perfectly true that for certain specialized applications no satisfactory replacement is at present being commercially used, but by far, in the overwhelming volume of interior finishes, not only adequate but superior products can be found by the proper combinations of our domestic oils and synthetics. In some cases, it is necessary to forget prior prejudices and certain present arbitrary tests, and concentrate on the desired end—a good-looking, easily applied, durable protective coating.

It is the joint effort of the progressive paint manufacturer and the intelligent paint technician that is accomplishing these results. We are looking forward to the Utopia when it will be possible to have once again free interchange of the earth's bounty between various countries, and we hope that too many years will not elapse before this free interchange of commodities will again be established, but in the meantime the present situation is before us and we must adapt our economy to the oils which we know will be permanently available at a reasonable cost variation.

Bids Wanted

Aluminum Powder:—2,300 pounds; Quartermaster, Marine Corps, Washington; schedule 650, opening March 7.
Asphalt, Cutback:—5,000 gallons; State Procurement Office, Treasury Department, Harrisburgh, Pa.; procurement 417-11797, opening March 5.
Barium Nitrate:—3,500 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 3625, opening March 7.
Calcium Hypochlorite:—Supplies of Quartermaster Depot, 1819 Pershing road, Chicago, Ill.; procurement 199-229, opening March 7.
Carbon Dioxide:—3,000 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 527, opening March 5.
Dryecleaning Solvent:—7,000 pounds; Quartermaster, Fort Benning, Ga.; procurement 148-214, opening March 5.
Drugs:—Supplies as required during the period April 1 to September 30; U. S. Engineer Office, Mobile, Ala.; procuremetn 227, opening March 11.
16 items for Chicago and Perry Point; Procurement Division, Veterans Administration, Washington; procurement 297, opening March 5.
Fertilizer:—6 tons for Robson, La.; Division of Purchase, Sales & Traffic, Department of Agriculture, Washington; procurement 7885, opening March 6.
Kerosene:—Supplies during April to June 30; U. S. Engineer Office, Mobile, Ala.; procurement 217, opening March 4.
Lead, White:—30,000 pounds; Quartermaster, Marine Corps, Washington; schedule 650, opening March 7.
Oil, Fuel:—Supplies for region 2 during the period April 1 to June 30; Chief of Purchasing Division, Treasury Department, Procurement Division, Washington; procurement 22179-FO, opening March 5.
Supplies for region 1 during the period April 1 to June 30; Chief, Purchasing Division, Treasury Department, Procurement Division, Washington; procurement 22162-FO, opening March 5.
Soap Chips:—50,000 pounds; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; procurement 626-253, opening March 1.

Business Wants and Offers

Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words
Payable in advance at 59 John Street, New York

Agencies Wanted

ESTABLISHED CINCINNATI firm covering part of Ohio and also Louisville, Kentucky, would be interested in representing first hands on oils, oxides and chemicals. BOX 756, Oil, Paint and Drug Reporter.

Agents Wanted

EXPERIENCED MEN wanted to represent complete line of paints and varnishes in all territories excluding greater New York. Write giving full details as to the district territory. Liberal commissions. Hoboken White Lead & Color Works, Hoboken, N. J.

Capital Wanted

MANUFACTURER of chemical specialties needs additional capital to expand business. Young aggressive organization looking for man with capital and ability to take interest in business. References exchanged. BOX 755, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE—Two rubber lined wood tanks in good condition; capacities 4,050 and 3,200 gallons. For further specifications write The Globe Chemical Company, Cincinnati, Ohio.

FOR SALE:—One No. 10 Sweetland filter; four 7x5 ft. pebble mills; 9x24 inch and 12x30 inch roller mills; 3x8 ft. rotary steam tube dryer; No. 00 Raymond mill; Gruendler 50 H.P. hammer mill; Ball and Jewell No. 1 rotary cutter; Stedman 42-inch disintegrator; four 900-gal. closed, jack., agitated kettles; 32-inch copper basket centrifugal; jacketed, agitated vacuum stills; copper, aluminum, steel and glass lined kettles and tanks; Hammer mills; crushers and pulverizers; tablet machines, ½ to 2 inch, single punch and rotary; filter presses to 36 in. sq.; disc filters; iron mills; bottle fillers and washers. Only partial listing. Write for chemical bulletin No. 128 and pharm. bulletin No. 113. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

FOR SALE:—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

REBUILT MACHINERY

SPECIAL

50—150 Barrel Steel Storage Racks, practically new, priced attractively for quick sale, "knocked down" and ready for shipment. Details on Request.

BRILL EQUIPMENT CORP. 183 VARICK ST. NEW YORK, N. Y.

Equipment Offered

PEBBLE MILLS, 36x42 in.; 6x8 ft. silex lined; jar mills, 1 gal., 4 gal.; 15-gal. pony mixer; 3-gang paint mill. Lawler Engineering Company, Durham avenue and L. V. R. R., Metuchen, N. J.

Equipment Wanted

WANTED—8 ft. by 12 ft. Oliver continuous filter. Send full specifications and prints. BOX 751, Oil, Paint and Drug Reporter.

COMPANY in New York City wishes to purchase a used laboratory paint mill, 8-inch stone or 4x8-inch roller mill, direct motor drive. Must be in good condition. BOX 760, Oil, Paint and Drug Reporter.

WANTED—Two plate and frame filter presses, 30x30, or 36x36; 2 frames, open delivery. Crown Oil Products Corp., 2-14 Forty-ninth avenue, Long Island City, N. Y.

WANTED—For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixer, pulverizer. BOX 765, Oil, Paint and Drug Reporter.

Export Services

EXPORT SHIPMENTS financed for reliable parties. BOX 761, Oil, Paint and Drug Reporter.

Factories Offered

CHEMICAL FACTORY property, plot 100x100, improved, with two one-story buildings and one two-story brick building, steam plant, enclosed yard. Unrestricted district in Brooklyn, near subway. The R. L. Kraft Company, Woolworth Building. COrtlandt 7-9377.

Materials Offered

NEW DRYING OIL, artificial, produced from petroleum by patented process. For paints, metals, wood, stone, leather, waterproofing and rustproofing. Samples available. Interestingly low quotations in quantities. Peoples Chemical Laboratory, 2519 So. Crawford, Chicago, Ill.

JAPAN WAX, 35 cases; potassium chlorate, three tons; sodium hydrosulphite, one ton; Belgian rice starch, 40 bbls.; sodium bifluoride, two tons; sulphonated castor oil, ten drums. What do you offer for partial or entire lot of any of the above? BOX 763, Oil, Paint and Drug Reporter.

Materials Wanted

MANUFACTURERS who have by-products at present going to waste can find a market for same if they will communicate with reliable concern that is experienced in such problems. BOX 764, Oil, Paint and Drug Reporter.

Paint Production

PRODUCTION FACILITIES—If your paint manufacturing facilities are inadequate or do not provide for economical production, owner of modern paint and varnish plant within an hour's ride of New York City will sell or rent his plant to you or will consider purchasing or merging. Plant has ample tankage and sidings, and the labor situation is ideal. You can write for particulars with the assurance that your inquiry will be held confidential. BOX 762, Oil, Paint and Drug Reporter.

Positions Vacant

EXPERIENCED MAN to go to India to supervise erection, start operations and train personnel for a new vegetable oil refinery, which we are now shipping from this country. Must have experience in refining, bleaching, hydrogenating, deodorizing, and electrolytic hydrogen gas production. Three years' contract possible later if services are satisfactory. William Garrigue & Company, Inc., 9 South Clinton street, Chicago, Illinois.

CHEMIST WANTED—Experienced full line shelf goods and painters' specialties. Give education, age, experience and salary expected. BOX 754, Oil, Paint and Drug Reporter.

SALESMAN WANTED—For the sale of carbon blacks in eastern territory. Experience in sales to the paint, ink, rubber and allied industries preferred. In reply state age, education, experience and salary expected. Address Imperial Oil & Gas Products Co., Grant building, Pittsburgh, Pa.

Positions Wanted

CHEMICAL ENGINEER, qualified by education, training and experience to solve intricate chemical, metallurgical, paint and pigment problems. Zinc sulphide, lithopone, titanium, iron, cadmium pigments. Spray metals manufacture. Hydrometallurgical processes. Dry colors, research and development, plant operating. BOX 733, Oil, Paint and Drug Reporter.

COATER—A-1 medicinal, chocolate and sugar; capable, efficient and practical; quality production. Also supervision granulating, drying, grinding and compressing. Good moral character and habits, with best of references. Desire a permanent new connection. BOX 745, Oil, Paint and Drug Reporter.

PAINT SALESMAN, extensive experience in selling to real estate, management and painting contractors, desires to contact paint manufacturer of a standard line. Successful record; indefatigable worker. BOX 750, Oil, Paint and Drug Reporter.

CHEMIST, thoroughly experienced; 10 years' experience industrial laboratories and other chemical engineering research work. Fully qualified and prepared to work in highly specialized chemical industries. Now employed. BOX 753, Oil, Paint and Drug Reporter.

CHEMIST with 15 years' experience in research and production work in field of organic chemicals and rubber, and some sales experience, desires connection inside or out. BOX 757, Oil, Paint and Drug Reporter.

PAINT AND VARNISH manufacturing chemist with many years' experience wants position. Makes the best selling flats, glosses, enamels, industrials and everything in the paint line, grinding vehicles and varnishes. BOX 758, Oil, Paint and Drug Reporter.

Positions Wanted

PHARMACEUTICAL-BIOLOGICAL salesman and detail man with excellent record wishes to connect with first-class firm. Highest type references. BOX 759, Oil, Paint and Drug Reporter.

Services Offered

CHEMIST and chemical engineers—if you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, 300 Madison avenue, New York City.

Surplus Stock

HIGHER MARKETS—Sell now. Wanted—surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes, by-products, residues. Single lots. Entire plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

WILL BUY—Your surplus or off-grade chemicals, oils, waxes, pharmaceuticals, gums, by-products, residues. For quick action phone Mr. Gelb, WAlker 5-4250. Barclay Chemical Company, Inc., 75 Varick street, New York.

CHECK INVENTORIES! We purchase any quantity surplus chemicals, colors, pigments, oils, waxes, drugs, pharmaceuticals, and all basic raw materials, as well as by-products, residues and wastes of all kinds. Entire plants bought. Eastern Color & Chemical Co., 143 Nassau street, New York City. COrtlandt 7-7441.

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Many other attractive bargains.

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1—Louisville 5 ft. x 20 ft. Steam Tube Dryer.
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Send for illustrated bulletin listing Rotary Kilns, Direct Heat Rotary Dryers, Ball and Tube Mills, Screens, Hammer Mills, Loco. Cranes, Shovels, Machine Shop, Dump Cars, Motors, Pumps, Tanks, Pipe, etc.
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Idle machinery ties up capital—takes up valuable space—and depreciates rapidly—turn yours into cash NOW! We want to buy Filter Presses, Kettles, Mixers, Dryers, Pulverizers, Grinders, etc.

Consolidated Products Co., Inc. 13-18 Park Row :: :: New York, N.Y.
SHOPS—335 Doremus Ave., Newark, N.J.

S. L. Abbot, Jr. Company will move this month to its new warehouse and house at 135 King street, San Francisco. The company will carry a larger line of industrial chemicals, naval stores, lime products, laundry products and cleaner supplies.

Richard A. Bevernick and Miss Virginia Putnam, of Minneapolis, were married February 27. Mr. Bevernick is employed by R. J. Prentiss & Co., botanical drugs and insecticides, this city, and is a graduate of the United States Naval Academy.

Italy is experimenting with gasoline driven trains due to a shortage of coal.

Mid-Coast Oil Company will build a new oil refinery in the Santa Maria field, at a cost of approximately $250,000.

Freeport Sulphur Company, this city, has been authorized by the United States Maritime Commission to sell its No. 5 steel vessel of 4,127 gross tons to Sir William Reardon Smith & Sons, Ltd., Cardiff, Wales, with transfer to British registry.

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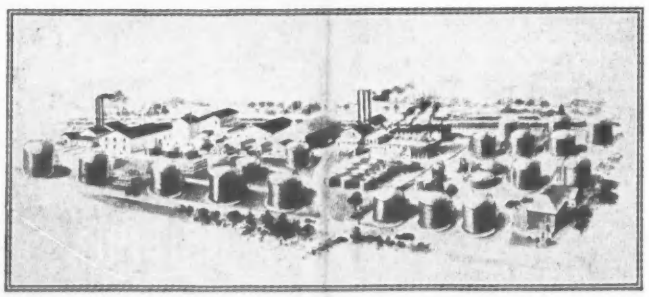
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